A Review of Stock Assessment and Biological Information for Queen Charlotte Islands/Haida Gwaii Coho for the Years 1950 to 2000

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2010

Canadian Manuscript Report of Fisheries and Aquatic Sciences 2862

Fisheries and Oceans | Pêches et Océans

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Canadian Manuscript Report of Fisheries and Aquatic Sciences

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Canadian Manuscript Report of

Fisheries and Aquatic Sciences 2862

2010

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by

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Cat. No. Fs 97-4/2862E ISSN 0706-6473

Correct citation for this publication:

Spilsted, B., Fairweather, P., and Bocking, B. 2010. A review of stock assessment and biological information for Queen Charlotte Islands/Haida Gwaii coho for the years 1950 to 2000. Can. Manuscr. Rep. Fish. Aquat. Sci. 2862: xv + 162p.

TABLE OF CONTENTS

1. INTRODUCTION 1

2. ABUNDANCE MEASURES 1

2.1 ESCAPEMENT DATA OVERVIEW 1
2.1.1 Long Term Trends by Geographic Region 2
2.1.2 Comparison of Haida Fisheries Program (H.F.P.) Area-Under-the-Curve (AUC) Coho Escapement Estimates with D.F.O. Annual Escapement Estimates 9
2.1.3 Adult Escapement Timing 10

2.2 Smolt Data 13

2.3 Juvenile Data 15

7. CATCH SUMMARY 16

3.1 Q.C.I./Haida Gwaii Commercial Fisheries Overview 16

3.2 Commercial Fishery Coho Catch Data 17

3.3 Coded Wire Tag (CWT) Recovery Information for Q.C.I./Haida Gwaii Coho. 18

3.4 Q.C.I. Recreational Fishery 23

3.5 Q.C.I. Haida Food Fishery 24

4. ENHANCEMENT HISTORY 25

5. STOCK IDENTIFICATION. 25

5.1 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Seine Coho Catches. 26

5.2 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Gillnet Coho Catches. 26

5.3 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Troll Coho Catches. 26

5.4 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 and 1999 Recreational Fishery Coho Catches. 26

6. SURVIVAL ESTIMATES. 27

6.1 Commercial Fishery Exploitation Rates. 27

7. BIOLOGICAL CHARACTERISTICS 28

7.1 Adult Characteristics 28

7.2 Smolt Characteristics 28

7.3 Juvenile Characteristics 29

8. OVERVIEW OF ASSESSMENT PLANNING 29

List of Tables

TABLE 1. CALCULATION OF CORRELATION VALUES. 32

TABLE 2. PEARSON CORRELATION MATRIX OF ESCAPEMENT INDICES (PMAX) OF QCI COHO STREAM AGGREGATES. 33

TABLE 3. INDICES OF COHO ESCAPEMENT FOR AREA 1 AGGREGATE AND ANNUAL ESCAPEMENT ESTIMATES (BC16 REPORTS). 34

TABLE 4. INDICES OF COHO ESCAPEMENT FOR AREA 2 WEST AGGREGATE AND ANNUAL ESCAPEMENT ESTIMATES (BC16 REPORTS). 35

TABLE 5. INDICES OF COHO ESCAPEMENT FOR AREA 2 EAST AGGREGATE AND ANNUAL ESCAPEMENT ESTIMATES (BC16 REPORTS). 36

TABLE 6. PMAX VALUES FOR AREA 1 STREAM AGGREGATES. 37

TABLE 7. PMAX VALUES FOR AREA 2 WEST STREAM AGGREGATES. 38

TABLE 8. PMAX VALUES FOR AREA 2 EAST STREAM AGGREGATES. 39

TABLE 9. PEARSON CORRELATION MATRIX OF AREA 1 STREAM ESCAPEMENT INDICES USING SYSTAT SOFTWARE AND PAIRED FREQUENCY MATRIX SHOWING NUMBERS OF PAIRED VALUES USED IN ANALYSIS. 40

TABLE 10. PEARSON CORRELATION MATRIX OF AREA 2 WEST STREAM ESCAPEMENT INDICES USING SYSTAT SOFTWARE AND PAIRED FREQUENCY MATRIX SHOWING NUMBERS OF PAIRED VALUES USED IN ANALYSIS. 41

TABLE 11. PEARSON CORRELATION MATRIX OF AREA 2 EAST STREAM ESCAPEMENT INDICES USING SYSTAT SOFTWARE AND PAIRED FREQUENCY MATRIX SHOWING NUMBERS OF PAIRED VALUES USED IN ANALYSIS. 42

TABLE 12. AREA 2 WEST ANNUAL COHO ESCAPEMENT DATA, 1950 TO 2000. 43

TABLE 13. REVIEW OF BC16 RECORDS HIGHLIGHTING INDICATIONS OF POTENTIAL ERRORS IN ESCAPEMENT VALUES. 44

TABLE 14. COMPARISON OF ESCAPEMENT INDEX VALUES (PMAX): ORIGINAL DATA VS. 'CORRECTED' VALUES. 46

TABLE 15. COMPARISON OF HAIDA FISHERIES PROGRAM (H.F.P.) AUC ESCAPEMENT ESTIMATES VS. D.F.O. ANNUAL ESCAPEMENT ESTIMATES. 47

TABLE 16. DAILY CUMULATIVE PROPORTIONS OF MCCLINTON CREEK COHO FENCE COUNTS AND MEAN DAILY CUMULATIVE PROPORTIONS FOR THE YEARS 1931, 1934 AND 1936. 48

TABLE 17. DAILY CUMULATIVE PROPORTIONS OF CHOWN CREEK COHO FENCE COUNTS AND MEAN DAILY CUMULATIVE PROPORTIONS FOR THE YEARS 1992, 1994, 1996 TO 1998 AND 2000. 49

TABLE 18. DAILY CUMULATIVE PROPORTIONS OF TLELL RIVER FENCE COUNTS FOR 2000. 50

TABLE 19. DAILY CUMULATIVE PROPORTIONS OF MATHERS CREEK FENCE COUNTS OF COHO FOR 1992. 51

TABLE 20. DAILY CUMULATIVE PROPORTIONS OF PALLANT CREEK COHO FENCE COUNTS AND MEAN DAILY CUMULATIVE PROPORTIONS FOR THE YEARS 1981, 1982, 1984 TO 1996 AND 2000. 52

TABLE 21. Q.C.I. COMMERCIAL GILLNET, SEINE AND TROLL COHO CATCH DATA (PIECES): STATISTICAL AREAS 1, 2 EAST AND 2 WEST. 54

TABLE 22. NORTH COAST COMMERCIAL GILLNET, SEINE AND TROLL COHO CATCH (PIECES): STATISTICAL AREAS 3, 4 AND 5. 55

TABLE 23. NORTHERN CANADA COMMERCIAL GILLNET, SEINE AND TROLL COHO CATCH DATA (PIECES): STATISTICAL AREAS 1, 2 EAST, 2 WEST, 3, 4 AND 5. 56

TABLE 24. ALASKAN COMMERCIAL GILLNET, SEINE AND TROLL COHO CATCH DATA (PIECES). 57

TABLE 25. Q.C.I. COHO MARK RECOVERY PROGRAM RELEASE REPORT. 58

TABLE 26. SUMMARY OF Q.C.I. COHO CWT RECOVERIES FOR ALL Q.C.I. RELEASE SITES. 63

TABLE 27. SUMMARY OF Q.C.I. CWT RELEASE SITES, INCLUDING GEOGRAPHIC LOCATION (MANAGEMENT AREA) AND STATISTICAL AREA INFORMATION. 64

TABLE 28. SUMMARY OF Q.C.I. COHO CWT RECOVERIES WITH RECOVERIES FROM CUMSHEWA INLET RELEASE SITES REMOVED FROM CUMSHEWA INLET SPORT, NET AND TROLL FISHERIES. 65

TABLE 29. SUMMARY OF THE MARK RECOVERY PROGRAM STATISTICAL AREA CODES, WITH CORRESPONDING STATISTICAL AREA GROUPINGS AND GEOGRAPHIC LOCATION. 66

TABLE 30. COMPARISON OF COMMERCIAL TROLL SALESLIP CATCH DATA (LAGGED BACK 1 WEEK) VS. CORRECTED COMMERCIAL TROLL SALESLIP DATA (ALBERT WONG) FOR STATISTICAL AREA 1. 67

TABLE 31. CALCULATION OF SEINE FISHING HOURS. 68

TABLE 32. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 69

TABLE 33. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 70

TABLE 34. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 71

TABLE 35. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN NET GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1995 AND ALL Q.C.I. RELEASE SITES COMBINED. 72

TABLE 36. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. NET GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1995 AND ALL Q.C.I. RELEASE SITES COMBINED. 73

TABLE 37. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST NET GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1995 AND ALL Q.C.I. RELEASE SITES COMBINED. 74

TABLE 38. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 75

TABLE 39. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHEAST ALASKAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 76

TABLE 40. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHWEST ALASKAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 77

TABLE 41. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY SOUTHEAST ALASKAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 78

TABLE 42. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY SOUTHWEST ALASKAN TROLL GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1997 AND ALL Q.C.I. RELEASE SITES COMBINED. 79

TABLE 43. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKA NET GEAR. MEAN RECOVERIES FOR YEARS 1983 TO 1995 AND ALL Q.C.I. RELEASE SITES COMBINED. 80

TABLE 44. PROPORTIONAL RECOVERIES OF CWT'D Q.C.I. COHO BY RELEASE STATISTICAL AREA BY RECOVERY AREA SHOWING 2 EAST RECOVERIES OF CUMSHEWA RELEASES INCLUDED AND 2 EAST RECOVERIES OF CUMSHEWA RELEASES EXCLUDED. TROLL AND SPORT RECOVERIES FOR THE YEARS 1983 TO 1997, NET RECOVERIES FOR THE YEARS 1983 TO 1995. 81

TABLE 45. A SUMMARY OF COMMERCIAL CATCH REGION CODES USED IN THE MARK RECOVERY PROGRAM CWT RECOVERY LOCATION DESCRIPTIONS, WITH CORRESPONDING GEAR DESCRIPTION AND STATISTICAL AREAS. 82

TABLE 46. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN TROLL GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 83

TABLE 47. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN NET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 83

TABLE 48. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SEINE GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 84

TABLE 49. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN GILLNET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 84

TABLE 50. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. TROLL GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 85

TABLE 51. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. NET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 85

TABLE 52. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. SEINE GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 86

TABLE 53. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. GILLNET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 86

TABLE 54. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN TROLL GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 87

TABLE 55. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN NET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 87

TABLE 56. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN SEINE GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 88

TABLE 57. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN GILLNET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 88

TABLE 58. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN TROLL GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 89

TABLE 59. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN NET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 89

TABLE 60. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN SEINE GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 90

TABLE 61. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN GILLNET GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 90

TABLE 62. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN SPORT (MARINE) GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 91

TABLE 63. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SPORT (MARINE) GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 91

TABLE 64. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SPORT (FRESHWATER) GEAR BY RELEASE SITE. TOTAL RECOVERIES OF Q.C.I. COHO TAGS FOR ALL YEARS COMBINED: 1983 TO 1999. 91

TABLE 65. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN TROLL GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 92

TABLE 66. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN NET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 92

TABLE 67. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SEINE GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 93

TABLE 68. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN GILLNET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 93

TABLE 69. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. TROLL GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 94

TABLE 70. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. NET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 94

TABLE 71. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. SEINE GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 95

TABLE 72. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY Q.C.I. GILLNET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 95

TABLE 73. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN TROLL GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 96

TABLE 74. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN NET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 96

TABLE 75. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN SEINE GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 97

TABLE 76. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTH COAST CANADIAN GILLNET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 97

TABLE 77. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN TROLL GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 98

TABLE 78. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN NET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 98

TABLE 79. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN SEINE GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 99

TABLE 80. ESTIMATED ADJUSTED CWT WEEKLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN GILLNET GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF WEEKLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 99

TABLE 81. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY ALASKAN SPORT (MARINE) GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF MONTHLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 100

TABLE 82. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SPORT (MARINE) GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF MONTHLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 100

TABLE 83. ESTIMATED ADJUSTED CWT MONTHLY RECOVERIES OF Q.C.I. COHO (ALL AGES) BY NORTHERN CANADIAN SPORT (FRESHWATER) GEAR BY RELEASE SITE. PROPORTIONAL SUMMARY OF MONTHLY RECOVERIES BY EACH RELEASE SITE FOR ALL YEARS COMBINED: 1983 TO 1999. 100

TABLE 84. SUMMARY OF Q.C.I. RECREATIONAL FISHERY COHO CATCH DATA[1, 2] (PIECES) FOR STATISTICAL AREAS 1, 2 WEST AND 2 EAST, 1985 TO 2000. 101

TABLE 85. SUMMARY OF Q.C.I. FIRST NATIONS COHO CATCH DATA[1] (PIECES) FOR STATISTICAL AREAS 1, 2 EAST AND 2 WEST, 1980 TO 2000. 107

TABLE 86. Q.C.I. COHO ENHANCEMENT HISTORY. 108

TABLE 87. SUMMARY OF COHO ENHANCEMENT BY LIFE STAGE AND BY GEOGRAPHIC LOCATION. 118

TABLE 88. ESTIMATED PERCENT Q.C.I. COHO STOCK COMPOSITION IN VARIOUS NORTHERN B.C. FISHERIES..... 119

TABLE 89. PALLANT CREEK COHO SURVIVAL ESTIMATES[1] BY RELEASE TAG CODE..... 120

TABLE 90. PALLANT CREEK COHO EXPLOITATION RATE CALCULATION; INCLUDES 2E SPORT (MARINE AND FRESHWATER), TROLL AND NET RECOVERIES..... 122

TABLE 91. PALLANT CREEK COHO EXPLOITATION RATE CALCULATION; EXCLUDES 2E SPORT (MARINE AND FRESHWATER), TROLL AND NET RECOVERIES..... 123

TABLE 92. AGE-LENGTH DISTRIBUTION1 OF DEENA RIVER COHO SMOLTS AND CONTRIBUTION OF AGE-CLASS TO SMOLT OUTPUT..... 124

List of Figures

FIGURE 1. MAP OF STATISTICAL AREA 1 OF THE QUEEN CHARLOTTE ISLANDS, SHOWING STATISTICAL SUBAREAS AND FISHERIES MANAGEMENT AREAS. 125

FIGURE 2. MAP OF STATISTICAL AREAS 2 EAST AND 2 WEST OF THE QUEEN CHARLOTTE..... 126

FIGURE 3. MAP OF STATISTICAL AREA 1 SHOWING LOCATIONS OF SALMON STREAMS. 127

FIGURE 4. MAP OF STATISTICAL AREA 2 EAST (NORTH) SHOWING LOCATIONS OF SALMON STREAMS. 128

FIGURE 5. MAP OF STATISTICAL AREA 2 EAST (SOUTH) SHOWING LOCATIONS OF SALMON STREAMS. 129

FIGURE 6. MAP OF STATISTICAL AREA 2 WEST SHOWING LOCATIONS OF SALMON STREAMS. 130

FIGURE 7. GEOGRAPHIC GROUPINGS OF STATISTICAL AREA 1 PLOTTED WITH ANNUAL COHO ESCAPEMENT AND NUMBER OF STREAMS SURVEYED, FOR THE YEARS 1950 TO 1999..... 131

FIGURE 8. GEOGRAPHIC GROUPINGS OF STATISTICAL AREA 2 WEST PLOTTED WITH ANNUAL COHO ESCAPEMENT AND NUMBER OF STREAMS SURVEYED, FOR THE YEARS TO 1999..... 132

FIGURE 9. GEOGRAPHIC GROUPINGS OF STATISTICAL AREA 2 EAST PLOTTED WITH ANNUAL COHO ESCAPEMENT AND NUMBER OF STREAMS SURVEYED, FOR THE YEARS 1950 TO 1999..... 134

FIGURE 10. COMPARISON OF STANDARDIZED COHO ESCAPEMENT INDEX (PMAX) VALUES FOR AREA 1 AGGREGATE STREAMS AND ANNUAL ESCAPEMENT ESTIMATES (ALL STREAMS)..... 137

FIGURE 11. COMPARISON OF STANDARDIZED COHO ESCAPEMENT INDEX (PMAX) VALUES FOR AREA 2 WEST AGGREGATE STREAMS AND ANNUAL ESCAPEMENT ESTIMATES (ALL STREAMS). 138

FIGURE 12. COMPARISON OF STANDARDIZED COHO ESCAPEMENT INDEX (PMAX) VALUES FOR AREA 2 EAST AGGREGATE STREAMS AND ANNUAL ESCAPEMENT ESTIMATES (ALL STREAMS). 139

FIGURE 13. COMPARISON OF PMAX VALUES FOR AREA 1 STREAM AGGREGATES. 140

FIGURE 14. COMPARISON OF PMAX VALUES FOR AREA 2 WEST STREAM AGGREGATES. 141

FIGURE 15. COMPARISON OF PMAX VALUES FOR AREA 2 EAST STREAM AGGREGATES. 142

FIGURE 16. COMPARISON OF STANDARDIZED COHO ESCAPEMENT INDEX (PMAX) VALUES FOR 2 WEST AGGREGATE STREAMS, ORIGINAL DATASET VS. DATASET WITH 'CORRECTED' DATA... 143

FIGURE 17. COMPARISON OF STANDARDIZED COHO ESCAPEMENT INDEX (PMAX) VALUES FOR WEST SKIDEGATE, ENGLEFIELD BAY AND AGGREGATE STREAMS, ORIGINAL VS. DATASET WITH 'CORRECTED' DATA. 144

FIGURE 18. YAKOUN RIVER COHO DAILY FENCE COUNTS; 1972, 1974, 1976, 1984, 1986, 1988, 1990, 1992, AND 1994 TO 1996. 145

FIGURE 19. MCCLINTON CREEK COHO DAILY FENCE COUNTS; 1930, 1931, 1932, 1934, 1936, 1940 AND 1942. 147

FIGURE 20. CHOWN CREEK COHO DAILY FENCE COUNTS; 1992, 1994, 1996 TO 1998 AND 2000. 148

FIGURE 21. TLELL RIVER COHO DAILY FENCE COUNTS; 1999 AND 2000. 149

FIGURE 22. MATHERS CREEK COHO DAILY FENCE COUNTS; 1983 AND 1985 TO 2000. 150

FIGURE 23. PALLANT CREEK COHO DAILY FENCE COUNTS; 1981 TO 2000. 153

FIGURE 24. YAKOUN RIVER DAILY COHO SMOLT TRAP COUNTS; 1969, 1981 AND 1983. 156

FIGURE 25. CLINTON CREEK DAILY COHO SMOLT FENCE COUNTS; 1934 AND 1939. 157

FIGURE 26. CHOWN CREEK DAILY COHO SMOLT FENCE COUNTS; 1996 TO 1998 AND 2000. 158

FIGURE 27. DEENA RIVER DAILY COHO SMOLT FENCE COUNTS; 1994, 1996 TO 1998 AND 2000. 159

FIGURE 28. CRABAPPLE CREEK DAILY COHO SMOLT FENCE COUNTS; 1998 TO 2000. 160

FIGURE 29. MEAN PROPORTIONS OF RECOVERIES OF Q.C.I. CWT'D COHO FOR THE YEARS 1983 TO 1997. 161

FIGURE 30. COMPARISON OF TWO METHODS TO ASSIGN AREA 1 TROLL COHO LANDINGS TO ACTUAL DATE OF CATCH (AVERAGE WEEKLY PROPORTIONS FOR THE YEARS 1988 – 1994). 162

Abstract

Spilsted, B., Fairweather, P., and Bocking, B. 2010. A review of stock assessment and biological information for Queen Charlotte Islands/Haida Gwaii coho for the years 1950 to 2000. Can. Manuscr. Rep. Fish. Aquat. Sci. 2862: xv + 162p.

This report summarizes stock assessment and biological information for coho salmon (*Oncorhynchus kisutch*) stocks of the Queen Charlotte Islands/Haida Gwaii for the period up to 2000. This geographic area encompasses Department of Fisheries and Oceans Statistical Areas 1, 2 West and 2 East. The coho stock aggregate for these Statistical Areas is comprised of 227 separate spawning populations documented in Departmental escapement records since 1950.

Historic escapement information is reviewed in terms of assessing techniques that provide annual indices of abundance for these streams. Information summarizing adult and smolt timing data, biological characteristics, stock composition in certain marine fisheries, commercial exploitation rate estimates and juvenile density work is presented. Coded wire tag (CWT) information is utilized to provide an index of relative abundance and ocean run timing of Q.C.I./Haida Gwaii coho stocks through northern Canadian and Alaskan commercial and recreational fisheries. CWT recoveries are presented showing when and where this stock is harvested by major gear and area aggregates.

Résumé

Spilsted, B., Fairweather, P., and Bocking, B. 2010. A review of stock assessment and biological information for Queen Charlotte Islands/Haida Gwaii coho for the years 1950 to 2000. Can. Manuscr. Rep. Fish. Aquat. Sci. 2862: xv + 162p.

Le présent rapport présente un résumé de l'évaluation des stocks de saumon coho (*Oncorhynchus kisutch*) des Îles-de-la-Reine-Charlotte/Haida Gwaii et des renseignements biologiques les concernant pour la période allant jusqu'à 2000. La région concernée englobe les zones statistiques 1, 2 Ouest et 2 Est du ministère des Pêches et des Océans. L'ensemble des stocks de coho dans ces zones statistiques comprend 227 populations reproductrices distinctes dont les données ont été rassemblées depuis 1950 dans les registres ministériels sur les échappées.

Les données historiques sur les échappées sont examinées au regard des techniques d'évaluation qui fournissent les indices d'abondance annuels pour ces cours d'eau. On y présente des renseignements concernant les caractéristiques temporelles des stades d'adultes et de smolt, les caractéristiques biologiques, la composition des stocks dans certaines pêches maritimes, les estimations des taux d'exploitation commerciale et les travaux effectués sur la densité de juvéniles. Des données de micromarques codées sont utilisées pour établir un indice de l'abondance relative et le moment de la migration océanique de retour des stocks de cohos des Îles-de-la-Reine-Charlotte/Haida Gwaii dans le cadre des pêches récréatives et commerciales effectuées dans le nord du Canada et en Alaska. On présente les récupérations de poissons marqués en indiquant quand et où les stocks sont pêchés, par principaux types d'engins et groupements de zones.

1. INTRODUCTION

This paper summarizes stock assessment information for coho salmon (*Oncorhynchus kisutch*) stocks of the Queen Charlotte Islands/Haida Gwaii for the period from 1950 to 2000. This area encompasses D.F.O. Statistical Areas 1, 2 West and 2 East, (Figures 1 and 2). The coho stock aggregate for these Statistical Areas is comprised of 227 separate spawning populations documented in Departmental escapement records since 1950. Figures 3 to 6 provide maps identifying stream locations within the Statistical Areas of the Queen Charlotte Islands.

Historic escapement information is reviewed in terms of assessing techniques that provide annual indices of abundance for these streams. Area-under-the-curve escapement data produced by the Haida Fisheries Program is compared with D.F.O. annual estimates. Information summarizing adult and smolt timing data, biological characteristics, stock composition in certain marine fisheries, commercial exploitation rate estimates and juvenile density work is presented. Coded wire tag (CWT) information is utilized to provide an index of relative abundance and ocean run timing of Q.C.I./Haida Gwaii coho stocks through northern Canadian and Alaskan commercial and recreational fisheries. CWT recoveries are presented showing when and where this stock is harvested by major gear and area aggregates.

Information is presented giving an overview of the coho assessment plan for this area, resulting from collaboration between D.F.O. Stock Assessment, Fisheries Management, Haida Fisheries Program and local community representatives.

2. ABUNDANCE MEASURES

2.1 ESCAPEMENT DATA OVERVIEW

Visual escapement estimates for Statistical Areas 1, 2 East and 2 West streams of the Queen Charlotte Islands (Q.C.I.)/Haida Gwaii were downloaded from a D.F.O. database maintained by the North Coast Stock Assessment Unit (pers. comm. B. Spilsted, D.F.O. Prince Rupert). Annual escapement data were reviewed for the years 1950 to 2000. Historic annual coho escapement data were collected primarily from visual inspections (pers. comm. V. Fradette, D.F.O. Resource Manager, Queen Charlotte City. In general, problems associated with this data can include undocumented expansion methodologies of daily visual inspection information, unknown timing and frequency of visits, unknown quality of information and undocumented expansion of a stream's total annual escapement estimate. Caution should therefore be taken when interpreting a rollup of annual escapement data, as annual fluctuations in numbers of streams surveyed and unknown data quality may bias summarized data.

Figures 7, 8, and 9 provide annual information on number of streams surveyed and total coho escapement by Statistical Area and by Fisheries Management Sub-area (FMS, a geographic grouping within a Statistical Area) for Areas 1, 2 West and 2 East

respectively. Review of Area 1 data revealed a relatively constant number of streams inspected for coho from 1950 through to the late 1980's, however the annual number of streams inspected in each FMS varied greatly. Escapement data for Areas 2 West and 2 East stream aggregates and each of their FMS's generally have widely fluctuating numbers of streams inspected each year from 1950 to 1999. It should be noted as well that even though the number of streams surveyed within a Statistical Area may be similar between certain years, the actual streams surveyed may differ.

2.1.1 Long Term Trends by Geographic Region

Methodology

Examination of annual coho escapement information began with the interpreting of PSARC working paper 2000-128, a Forecast for northern British Columbia coho salmon in 2000 (Holtby et al. 2000). Information from this paper summarizing Q.C.I. coho escapement trends are compared with results from our analysis using different stream selection criteria. The approach taken in both cases was to scale the annual escapement (E) of each selected stream (i) to the maximum value in the time series (t) into proportions ($p_{i,t}$)

$$p_{i,t} = \frac{E_{i,t}}{\max(E_i)}$$

and then average these scaled values across all selected streams within each year to give a p_{max} time series for the aggregate.

We first examined whether a change in the selection criteria for a Statistical Area stream aggregate would lead to observable differences in the times series of p_{max} values and a change in the escapement trend.

Working paper 2000-128 stream aggregates for Areas 1 2 West and 2 East were comprised of streams with ≥ 10 years of annual escapement estimates, for the time series 1950 to 1999.

Our selection for each Statistical Area aggregate was based on three criteria. First, we selected streams with ≥ 10 years of annual escapement estimates for the time series 1950 to 2000. From this initial subset, we reviewed each stream for our second criterion; reliability of the estimates. Reliability is defined as a subjective measure of the accuracy of the final escapement estimate. The reliability values assigned to the annual coho estimates in BC16 reports required an average score of ≥ 3 out of the maximum of 5 (the midpoint of the value range: low, 1, 2, 3, 4, 5, high). Estimates of reliability are only recorded on BC16 reports after 1984 for Q.C.I. streams and were inconsistently

completed. We used the experience of the local Fisheries Manger (pers. comm. Victor Fradette, D.F.O. Resource Manager, Queen Charlotte City) in this review to confirm our observations and to give an informed opinion whether a stream's reliability score is consistent with its known physical characteristics (water clarity, average stream depth, etc.). We assumed that the stream's countability (how easy is it to observe salmon in a particular stream) for the years prior to 1985, where no reliability information is available, remained consistent with the years for which we had data.

Our third step was to remove streams in the remaining group that had received enhancement that added greater than an estimated 5 percent to annual returns. We did not want to include systems in which enhancement has largely contributed to a stream's coho returns, since the purpose of this review is assessment of wild stocks. The Copper River, located in Area 2 East, was the only enhanced system that was included in the dataset for analysis.

The Systat™ statistical software program correlation tool (Table 1) was used to analyze p_{max} time series data to provide a quantitative description of the similarity between various time series of data; whether two ranges of data move together. Table 2 provides a Pearson Correlation Analysis (product-moment correlation coefficient) matrix of p_{max} time series data for QCI Stream Aggregates. Results indicate that relatively good correlation of escapement trends do exist between some stream aggregates. Correlation values $\geq .70$ which indicate relatively good similarity of trends between stream aggregates are highlighted in Table 2.

Trend Analysis – Data grouped as a Statistical Area Aggregate.

Area 1.

Annual escapement index values calculated for the aggregate of streams selected using the criteria noted in the Methodology section were compared with values for the Area 1 aggregate noted in working paper 2000-128. Table 3 provides annual p_{max} values from both of these data sources; as well as numbers of records used to calculate our values and data representing annual Area 1 total escapement estimates. Caution is warranted when reviewing annual escapement estimates for any Statistical Area as there is wide variation in the number of streams surveyed each year.

Figure 10 graphs annual p_{max} values for Area 1 stream aggregates as well as annual total escapement estimates and indicates that different selection criteria may result in changes to annual p_{max} values for the years 1954 to 1965. Our values were lower in this time period than those noted in the 2000-128 paper. For the balance of the time series however, these two indices track much more closely. Results from each approach show high index values in 1974 and 1976 and lower values for the early 1970's and 1980's.

In general, there does not appear to be a strong similarity of trends shown by these different aggregates of Area 1 streams, with only fair correlation of data ($r = .52$)

between Naden and Masset streams (Table 2). The low number of streams available for analysis may tend to magnify differences between these two subsets of data.

Examination of data for the whole time series (1950 to 2000) suggests that annual escapement for the last two decades are generally higher than returns for the 1950's and 1960's. We are unable to compare annual escapement index values for 2000, 1999 and 1998 with their respective brood years, as escapement estimates for these brood years were not obtained. The perception of the local Fishery Manager is that there have been increased returns in each of these years noted over their respective brood years (pers. comm. V. Fradette, Resource Manager, D.F.O. Queen Charlotte City).

Areas 2 West and 2 East

Comparison of the data from working paper 2000-128 and the results from our review for 2 West (Table 4, Figure 11) and 2 East (Table 5 and Figure 12) stream escapement aggregates show very similar trends in annual index (p_{max}) values. The number of annual records used in calculating p_{max} and the total escapement estimates for 2 West (Table 4) and 2 East (Table 5) as well as a chart of the annual escapement estimates (Figures 11 and 12) are also provided.

There is a high correlation of data between working paper 2000-128 and our results for Areas 2 West (r = .96) and 2 East (r = .96), (Table 2). We observe little difference in results for 2 West and 2 East escapement trends, even though different stream selection criteria were used and different subsets of streams were correspondingly analyzed.

Both sets of data indicate that 2 West streams received widely fluctuating levels of escapement in the 1950's and 1960's, although a generally higher level of escapement is observed for this period than for the years 1970 to present. There appears to be a quick and rapid decline in abundance after 1966, with index values dropping from a high of .57 to a range between .02 and .25 from the 1970's to the 1990's. There appears to be some event or combination of events that caused a rapid decline in coho abundance after 1966, where annual returns generally have been lower. Improvement in annual escapement index values is observed for 2000, 1999 and 1998 and are approximately 2.3, 1.5 and 2.6 times their respective brood years.

Both sets of data have also indicated similar escapement trends for Area 2 East. There is a general increase in annual abundance through the 1950's and early 1960's that peaks in 1966, after which a decreasing trend in abundance is observed from the late 1960's to the late 1990's. Both 2 East and 2 West show index values peaking in 1966 after which a decline in abundance over the next 3 decades is observed. The 2 East decline however, does not appear to be as rapid or as severe. Index values for 1999 and 1998 show increases of 3.4 and 2.0 times their respective broods. The 2000 escapement index indicates a decrease in escapement over its brood, to .85 of the 1997 value.

Comparison of our escapement index values for Statistical Area aggregates with those in working paper 2000-128 found a similar downward escapement trend for the last three decades.

When BC16 escapement estimates are summed for each Statistical Area for the years 1950 to 2000, and are compared with our time series of index values, a good correlation was observed for Areas 1 (r = .79), 2 West (r = .82) and 2 East (r = .89). For all the inherent dangers in using a rollup of a Statistical Area's annual coho escapement data as a trend indicator, these datasets correlate quite well with the p_{max} values of our index stream aggregates (Figures 10, 11 and 12).

Comparison of Index Values Calculated for Smaller Stream Aggregates (FMS) with results for Statistical Area Aggregates.

Escapement index data was examined to determine whether observable differences in trends would appear when Statistical Area (large aggregate of streams) indices are compared with values calculated for smaller FMS aggregates. We used the same list of streams to populate the FMS aggregates as was used in our review of trends for Statistical Area groupings. It was assumed that observer efficiency and methodologies for expansion of escapement estimates remained constant over all streams.

Area 1.

Escapement index values for Masset and Naden FMS stream aggregates and Area 1 values (a sum of Masset and Naden stream aggregates) for the years 1950 to 2000 is provided in Table 6. When these three datasets are charted (Figure 13), each time series is relatively similar from 1950 to 1980, however differences are observed for the years 1980 to present. Both Masset and Naden values show divergence from Area 1 aggregate values for the last two decades. From these results, we concluded that a rollup of streams into a large Statistical Area aggregate has masked differences between smaller groupings (FMS) of streams. Masset streams generally show a higher level of abundance in the 1980's and 1990's than for the 1950's to 1970's and show higher index values than Naden streams for the 1980's and 1990's. Index escapement for the Naden aggregate suggest returns in the 1980's and 1990's have been lower than the Masset aggregate, with some years falling well below an escapement index value of .10.

Returns to Masset aggregate streams during the last two decades show on average higher returns than for the period 1950 to 1970, suggesting an overall increase in abundance. Returns to Naden streams show quite low abundance for the last two decades, suggesting that assessment of these stocks, and measures to improve coho escapement in this area, should be given highest priority of Area 1 streams.

Correlation of index values (Table 2) between the Statistical Area aggregate and Naden streams is quite good (r = .93), while Masset data show somewhat less similarity (r = .79). There is much less correlation between Naden and Masset data (r = .52), confirming our observations of the difference noted above.

The Naden stream group show relatively good correlation (r = .72) with Area 1 aggregate values noted in working paper 2000-128 while Masset (r = .49) stream groups show a lower correlation between the two sets of data (Table 2).

Area 2 West.

Area 2 West streams were separated into Englefield Bay, West Skidegate and Tasu FMS aggregates. Table 7 gives annual p_{max} values and numbers of records for the Statistical Area and FMS aggregates for the years 1950 to 2000. Each time series (1950 to 2000) of annual index values is graphed for each of these groups of streams in Figure 14.

There are some long-term differences observed between these datasets, which mostly occur since the mid-1970's. Escapement index values for each FMS aggregate are generally lower for the period 1982 to 2000 than for the years 1950 to 1970. Each of these smaller aggregates shows a general decrease in abundance since 1982.

Comparison of escapement trends charted for each FMS aggregate suggests that differences do exist between these groups. West Skidegate streams generally have the lowest abundance of these stream groups since the late 1970's. Tasu streams tend to show higher abundance since the early 1980's. The data does suggest that there can be annual differences in abundance between these aggregates.

There is relatively good correlation of data (Table 2) between the 2 West aggregate and streams in the FMS groups (range of r = .67 to r = .79). Comparison data from each FMS and the Statistical Area values in working paper 2000-128 reveal a similar good correlation of values (range of r = .62 to r = .79). A relatively poor relationship exists between FMS aggregate data (range of r = .33 to r = .38), indicating differing index trends between these smaller groups of streams.

Measures to increase escapement appear to be required for streams in all 2 West FMS aggregates; however West Skidegate streams appear to be generally least abundant in recent years and should have the highest priority.

Area 2 East.

Data showing annual p_{max} values and number of records for the Area 2 East stream aggregate and for each of the FMS stream groups (E. Skidegate, Cumshewa, Selwyn, Juan Perez and Skincuttle and South) is provided in Table 8 for the years 1950 to 2000. Each time series is graphed in Figure 15.

A review of data for each time series reveals an observable difference in index escapement values between two geographic groupings of FMS aggregates. East Skidegate and Cumshewa are the northernmost groups, and have on average, higher escapement indices than Selwyn, Juan Perez and Skincuttle and South aggregates. For most aggregates, there appears to have been higher abundance and an increasing trend in the 1950's, peaking in the 1960's, after which a general decline occurs over the last three decades. The southernmost aggregates show a much more defined decline in abundance in the 1980's and 1990's than the two northern aggregates.

There is a wide range of correlation values (Table 2) between annual statistical area aggregate escapement index data and various FMS stream aggregates, suggesting escapement trend differences between certain stream aggregates. Annual escapement index values for the Skincuttle and South and Juan Perez aggregates show a relatively good trend relationship ($r = .80$), while there is essentially no trend similarity between streams in Skincuttle and South and Cumshewa aggregates ($r = -.12$).

Low escapement indices for the 1990's indicate measures appear to be required to increase the level of annual escapement for streams in all 2 East FMS aggregates. Escapement index information shown in Figure 9 indicates that priority for measures to increase coho spawner abundance should be given to streams in the Selwyn, Juan Perez and Skincuttle and South areas.

Paired Correlations of Index Streams within Statistical Areas.

Results from a review of individual stream escapement trends using Systat™ statistical software are provided as a Pearson correlation matrix for Statistical Areas 1 (Table 9), 2 West (Table 10) and 2 East (Table 11). The intent of this analysis is to identify pairs of streams which indicate similar escapement trends over the period 1950 to 2000. Relatively good correlations ($\geq .70$) between stream pairs are noted by shaded cells within each matrix. This data could be used as a guide when establishing enumeration priorities within a Statistical Area. These data suggest that not all streams need to be inspected on an annual basis because pairs or larger groupings of streams show similar escapement trends over this time period.

Caution should be taken when reviewing this data as low correlations may result from low numbers of paired data values between streams rather than from dissimilar trend patterns. Tables 9, 10 and 11 also provide a frequency matrix showing numbers of paired values used in the correlation analysis. Low correlation values between some pairs may result from infrequent and low numbers of annual stream escapement estimates within this time period. Most stream escapement estimates are derived from stream walks; it was assumed that observer efficiency and methodologies for expansion of escapement estimates was consistent over the study period.

Review of 2 West Stream Escapement Records (BC16's).

Methodology.

Our next review of escapement data focused on examination of annual stream escapement records (BC16's) for 2 West aggregate streams. We chose these streams because trend analysis indicated a steep and rapid decline in escapement indices after 1966 (Figure 11).

We examined the effect that potential errors in annual escapement data might have on the overall trend of escapement index values. Investigation focused on identification of streams within our 2 West aggregate that contributed high proportions of escapement for the years 1951, 1964 and 1966. These years represent the three largest data points in the escapement index time series. We reviewed the individual BC16 reports of these streams to identify any potential errors within these records that might cause a bias in escapement index values for the time series. We also examined how significant potential errors might be in 'creating' the observed drop in annual escapement after 1966.

Results.

A review of the annual escapement data for our 2 West stream aggregate (Table 12) indicates that between 1950 and 2000 there are 5 streams in 3 different years which have very large coho escapement estimates. These five estimates are much larger than any other annual escapement values of our aggregate streams. A summary of the frequency of annual escapement estimates for our aggregate streams for the years 1950 to 2000 is as follows:

Interval	Frequency	Proportion
100	347	0.676
200	82	0.160
500	56	0.109
1000	14	0.027
2000	9	0.018
3000	0	0.000
4000	4	0.008
5000	0	0.000
10000	1	0.002
20000	0	0.000

The frequencies of the five largest intervals with data represent only one percent of total escapement estimates. We examined annual BC16 records for these five streams (Table 13) for evidence that the coho escapement estimates may be incorrect due to

transcription error. We found some inconsistent information associated with each of these high values. Based on the evidence that these five values were rarely recorded for these streams and that there were data inconsistencies encountered when reviewing these historic records, we identified these values as 'potentially suspect' information for this data review and 'corrected' the time series by removing them from the dataset. Annual escapement index data showing original and 'corrected' values for Area 2 West and FMS aggregates are provided in Table 14. The intent of this exercise is to examine what effect removal of these higher values from the dataset would have in p_{max} trend analysis.

Comparison of original and 'corrected' data for our 2 West aggregate (Figure 16) show only minor differences in the trend of index values for the years 1950 to 2000, showing good correlation between both sets of data (r = .89). The main effect in removing the large escapement estimates was a slight increase in annual p_{max} values over most of the time series. The trend of annual index values remained similar.

Review of original and 'corrected' data for W. Skidegate, Englefield Bay and Tasu FMS aggregate streams (Figure 17) show some differences in annual p_{max} values. The 'corrected' time series for the West Skidegate stream aggregate show a greater improvement in annual returns for the last three years. Two possible reasons for this result are i) it suggests an even larger benefit has resulted from recent conservation measures or ii) escapement was not as bleak as indicated by the original data - thus conservation measures have not contributed as much as originally indicated. There are some differences between these two datasets for Englefield Bay; however the results for the years since 1984 show no appreciable difference. Tasu data show some differences in the 1960's, but are very similar for the last two decades. Correlation of data for Englefield Bay (r = .71), West Skidegate (r = .88) and Tasu (r = .80) reflect these differences; however the escapement trends over the whole time series (1950 to 2000) remain unchanged.

These results suggest that potential errors such as the large data values identified in annual 2 West BC16 data have affected some p_{max} values, however the general trend showing diminished annual escapement for the last two decades remains quite similar. Results show that this escapement index methodology, which may use data with small numbers of values with potentially large error values associated, is still quite robust in providing overall escapement trend information for stream aggregates. A small number of years of data within a dataset which might have very large values erroneously assigned, does not appear to affect the overall trend in abundance.

2.1.2 Comparison of Haida Fisheries Program (H.F.P.) Area-Under-the-Curve (AUC) Coho Escapement Estimates with D.F.O. Annual Escapement Estimates

Area-under-the-curve (AUC) coho escapement estimates have been generated by the Haida Fisheries Program (H.F.P.) for the Deena River for the years 1995 and 1997 to

2000 (Table 15). AUC estimates have also been made by the H.F.P. for the Honna River and Datlamen Creek for 1999 and 2000 and for Riley Creek for 2000.

The D.F.O. has generated annual coho escapement estimates for these same streams for the same years (Table 15). At this time, only the Department's coho escapement estimates for these streams have been included in the regional escapement database. The Department's estimates have shown large differences in values for most years for streams that have H.F.P. AUC estimates. The Department's estimates generally have undocumented expansions of foot survey observations. In 1995, the H.F.P. AUC estimate of coho escapement for Deena River was approximately 9,800, while the Department's final estimate is recorded as 2,500. Discussions with field staff indicate that these 1995 Deena estimates were obtained through independent means. It is much less certain how independent these estimates are for the years 1997 to 1999. The 2000 estimate for Deena River is the only instance in which coho escapement estimates from both these sources agree. We have indications that the Department's 2000 Deena estimate was influenced by the AUC results obtained by the H.F.P. We therefore do not have a data series that could be used as a calibration tool for historic counts, since D.F.O. estimates from 1997 to 2000 appear to have been influenced to some unknown extent by data obtained from the H.F.P.

A review of H.F.P. and D.F.O. escapement data for which separate values were generated is recommended to resolve how escapement estimates from the HFP could be captured in the Stream Inspection Log (SIL) database and the Annual Report of Salmon Streams and Spawning Population (BC16). An Enumeration Plan for Q.C.I./Haida Gwaii would aid in organizing effort and improving assessment data by recommending specific enumeration methodologies and identifying the resources required to obtain the data. The Department should consider focusing coho assessment resources on representative 'key' streams in an attempt to improve the quality of coho escapement estimates.

2.1.3 Adult Escapement Timing

Adult coho fence count information for Yakoun River, McClinton Creek, Chown Creek, Tlell River, Mathers Creek and Pallant Creek was reviewed for this paper. The annual time series of data obtained from these counting programs are, in some cases, incomplete. Two main reasons for incomplete data are the inability of the fence programs to operate during high water conditions; and the field programs operating for only a portion of coho in-stream migration because pink and chum stocks were the principal assessment interest. Differing start-up and end dates for fence operations may well bias run-timing data obtained from analysis of coho counts. In most cases, fence counts appear to have captured arrival timing. Fence operation end dates have unknown impact on current run-timing information, since sufficient data is not available to establish actual end dates for run timing. Proportions of the run missed by early shutdown of these fences are unknown. Run-timing information presented in this report

should be approached with caution since significant returns after fence-counting operations have ceased would alter the cumulative proportions of daily counts.

Yakoun River, McClinton Creek and Chown Creek are located in Area 1. Yakoun River flows north into Yakoun Bay, Masset Inlet. McClinton Creek flows east into McClinton Bay, Masset Inlet. Chown Creek flows easterly into McIntyre Bay. Some confusion exists as to whether this stream is a tributary of the Sangan River. Chown Creek flows into the same estuary; however it is a separate stream system in Departmental escapement records.

Tlell River, Mathers Creek and Pallant Creek are located in Area 2 East. Tlell River flows northeast into Hecate Strait. Mathers Creek flows northeast into Cumshewa Inlet. Pallant Creek flows east into Gillatt Arm, Cumshewa Inlet.

Daily fence count data of Yakoun River coho for the years 1972, 1974, 1976, 1984, 1986, 1988, 1990, 1992 and 1994 to 1996 are presented in Figure 18. The main focus of this fence is assessment of returning Pink salmon. Coho counts are obtained only during the timing of the Pink salmon run. Consequently, documentation of the latter portion of the coho run is largely incomplete. Information that is available suggests that adult coho arrive, on average, in the second week of August. The latest counts on record indicate that the run continues until at least late September.

Adult coho fence counts for McClinton Creek for 1930 to 1932, 1934, 1936, 1940 and 1942 (unpublished) were obtained from original field notebooks from Pritchard's pink salmon work in this location during the 1930's and 1940's. Daily coho counts for these years are provided in Figure 19. There is no fence count information for coho salmon available for this stream after 1940. Since assessment of Pink salmon was the primary focus in this system, coho counts for some years are incomplete. Information only for the years 1931, 1934 and 1936 appear to cover the entire coho migration time series. The earliest recorded arrival for all years was recorded on August 9 (1940) while the latest recorded count is documented as October 16 (1931). Cumulative proportions of daily counts and mean cumulative proportions of daily counts for the years 1931, 1934 and 1936 are provided in Table 16. A timing summary of mean daily cumulative proportions of fence counts for the years 1931, 1934 and 1936 is provided later in this section.

Fence count information for Chown Creek for the years 1992, 1994, 1996 to 1998 and 2000 is provided in Figure 20. The focus of this operation has been to capture daily coho counts and is largely complete. The earliest documented arrival for all years was September 17 (1996), while the latest count for all years was recorded on December 30 (1994). Cumulative proportions of daily counts and mean cumulative proportions of daily counts for all years combined are provided in Table 17. A timing summary of mean daily cumulative proportions of fence counts for all years is provided later in this section.

Tlell River fence count data exists for the years 1999 and 2000 (Figure 21). High water flows in 1999 resulted in an incomplete and fragmented time series of data. Daily counts for 2000 are considered complete. The earliest documented arrival for both years was August 17 (2000) while the latest recorded count was recorded on October 19 (2000). Cumulative proportions of daily counts for 2000 are provided in Table 18. A timing summary of daily cumulative proportions of fence counts for 2000 is provided later in this section.

Mathers Creek fence counts focus on returning chum salmon. The timing of operation of this fence was adjusted to capture chum information. Daily coho count information for the years 1983 and 1985 to 2000 is provided in Figure 22. For most years, coho counts from both the early and late components of the run appear to be largely incomplete. Only the 1992 time series appear to show a relatively complete dataset for coho counts. The earliest documented arrival for all years was September 7 (1992) while the latest recorded count was recorded on October 31 (1987, 88, 91 and 92). This grouping of similar end dates is produced by a similar end date of fence operation. Cumulative proportions of daily counts for 1992 are provided in Table 19. A timing summary of daily cumulative proportions of fence counts for 1992 is provided later in this section.

Data representing daily coho counts from the Pallant Creek counting facility for the years 1981 to 2000 are provided in Figure 23. The focus of this fence is counting returning chum salmon. Consequently, the timing of operation of this fence is adjusted to capture chum information. The earliest documented arrival of Coho spawners for all years was August 17 (2000) while the latest recorded count was recorded on November 1 (1991). Coho counts for the years 1981, 1982, 1984 to 1996 and 2000 generally appear to be complete. Cumulative proportions of daily counts for these complete years and mean cumulative proportions of daily counts are provided in Table 20. A timing summary of mean daily cumulative proportions of fence counts for the years 1981, 1982, 1984 to 1996 and 2000 is provided below.

The following is a summary by stream of adult coho arrival timing using mean daily cumulative proportions of daily counts from tables noted in this section. Potential errors resulting from large numbers of fish arriving after fence counting has ceased can bias these results.

	Proportion Of Run vs. Date				
Stream Name	.01	.25	.50	.75	1.0
McClinton	Sept. 7	Sept. 20	Sept. 29	Oct. 3	Oct. 13
Chown	Sept. 25	Oct. 26	Nov. 12	Nov. 25	Dec. 14
Tlell	Aug. 20	Sept. 10	Sept. 16	Sept. 28	Oct. 17
Mathers	Sept. 7	Sept. 16	Oct. 1	Oct. 12	Oct. 29
Pallant	Aug. 17	Sept. 4	Sept. 12	Sept. 23	Oct. 20

A mean proportion of .01 was used to indicate a common arrival start time, and a mean proportion of 1.0 was used to identify a common end to in-stream migration. Mean proportions of .25, .50 and .75 for annual cumulative escapement provides timing estimates for the early, mid and late timing run components.
Yakoun and Pallant streams appear to have the earliest arrival timing (mid-August) of this group of streams. Data for Tlell, McClinton and Mathers systems indicate similar 'mid-timing' arrival dates (late August to Early September).

Timing information with respect to Chown Creek information suggests that this system has the latest arrival timing (late September).

With the exception of Chown Creek, all streams show an end date for arriving fish of mid to late October. Daily counts for Chown Creek indicate that this system appears to have a much later timing component (mid-December) for returning coho.

2.2 Smolt Data

Coho smolt information has been obtained from field programs in five streams in Q.C.I./Haida Gwaii. These five systems include Yakoun River, McClinton Creek, Chown Creek, Deena River and Crabapple Creek.

The annual time series of data obtained from these counting programs is generally incomplete. Two main reasons for incomplete data are the inability of the fence or trap to operate during high water conditions; and the field programs operating for only a portion of the actual period of coho smolt migration.

Field programs on the Chown, Deena and Crabapple systems represent the most recent coho smolt assessment work. Smolt tagging occurs in the Deena system and represents the only site in which an exploitation rate for non-enhanced coho is available. Counting and tagging of juvenile coho (smolt life stage) should expand to several sites in order to provide a more definitive understanding and representation of fishery exploitation of Q.C.I./Haida Gwaii stocks.

Annual Smolt Counts

Yakoun River flows north into Yakoun Bay, Masset Inlet. Daily trap counts of Yakoun River coho smolts for the years 1969, 1981 and 1983 are summarized in Figure 24. Data for these years appear to be incomplete. The 1983 time series does not appear to have begun early enough to capture the start of downstream migration, 1981 information does not capture the terminal portion of the migration, and 1969 data appears to have missed daily counts for both the beginning and end of the smolt run. There were no data available documenting expansion estimates for total daily output.

McClinton Creek flows east into McClinton Bay, Masset Inlet. Juvenile coho count Information from McClinton Creek for 1934 and 1939 (unpublished) was obtained from original field notebooks of Pritchard's pink salmon work in this location during the 1930's and 1940's. Data in these field notebooks were not specific as to what life stage these coho counts included. We have assumed that the data represent daily smolt counts. Our assumption is based on the observation that the number of 'juvenile' coho counted in each time series indicates smolt output rather than fry counts. Figure 25 provides daily coho 'smolt' count data for 1934 and 1939. Total daily counts for each of these years were 2,224 and 7,361 respectively, although both years appear to have incomplete documentation of the beginning of the downstream migration and the 1939 information appears to be incomplete for the terminal portion of the run.

Chown Creek flows east into the Sangan River at its mouth. Smolt count data for Chown Creek exists for the years 1996 to 1998 and 2000 (Figure 26). Data for 1996 and 1997 appear to be incomplete for many portions of the run. Counts for 1998 and 2000 appear to be the most complete of these years, with only a few days missing during the first half of the run. It is uncertain as to the impact these missing days have on the total counts for 1998 and 2000 because daily counts in the first half of the time series fluctuate widely. Actual counts for 1998 and 2000 were 646 and 3,004 respectively.

The Deena River is a 2 East stream flowing into South Bay, Skidegate Inlet. Fence/trap information obtained by the Haida Fisheries Program (H.F.P.) exists for the years 1994, 1996, 1997, 1998 and 2000 (Figure 27). Data for each year include a total for actual numbers counted; an estimate of total smolt output was calculated if less than 100 percent of the run was captured and counted. The calculation of the estimate of percent of run sampled at the fence used the 1994 run timing curve as a baseline and used a mean of two days before and two days following any topping of fence due to high water to provide an estimate of smolt passage when the fence was not operating. (Peter Katinic, Haida Fisheries Program, pers. comm.) Smolt enumeration for the years 1994 and 1996 to 1998 is documented by Frith et al. (2000). The actual counts for each year, the estimates of total smolt output and the estimates of the proportion (percent) of the run sampled are as follows:

Year	Actual Count	Estimate of Percent of Run Sampled at Fence	Estimate of Total Smolt Output	Mark Rate at Return (%)	Estimate of Smolt Equivalent Output
1994	18,133	100 %	19,831		
1996	36,154	86 %	42,040	24	175,167
1997	10,373	77 %	13,758	7	196,543
1998	6,643	86 %	7,720		
2000	47,042	100 %	60,267	21	286,985

Results based on mark rates at return suggest Deena smolt fence counts only accounts for a small proportion of total production. If we measure the missed juvenile production as 'smolt equivalents', then total smolt equivalent production for 1996 and 1997 and 2000 are approximately 175,000, 197,000, and 287,000 respectively. It may be more likely that the bulk of missed production is juvenile fry emigration from the system for which there is no direct measure. Results from the Haida smolt production model (unpublished) suggest the Deena River could produce approximately 70,000 smolts. River systems with substantial estuaries can provide significant habitat refugia for coho fry that may be flushed from systems such as the Deena during winter storm events (pers. comm. J. Hillier, D.F.O. Habitat Biologist, Prince Rupert).

Crabapple Creek is a 2 East stream that flows into Bearskin Bay, Skidegate Inlet. Daily fence counts of coho smolts exist for the years 1998 to 2000 (Figure 28). Data for the years 1998 and 2000 appear to be reasonably complete, with missing counts for only the very earliest portion of the run. The 1999 data indicate that most of the terminal portion of the run is missing. Actual smolt counts for the years 1998, 1999 and 2000 are 496, 403 and 539 respectively.

Smolt Migration Timing

Caution should be taken when using this data, as incomplete field sampling of the entire migration period would likely bias results presented in this document. Daily counts for these streams show a wide range of smolt run timing between systems. Daily smolt count information suggests that Area 1 streams have earlier downstream migration timing than the two 2 East streams. Area 1 data show the timing of commencement of downstream migration for McClinton, Yakoun and Chown streams can range from early March to the first week of April. The 2 East streams (Deena and Crabapple) show commencement of out-migration ranging from mid to late April.

Yakoun data suggests that this stream has the earliest timing for start of migration (early to mid-March). McClinton data show the most protracted run timing (earliest and latest recorded counts for all years) of these five systems, spanning mid-March to late June. Deena River information shows the latest migration timing, continuing until late June or early July. The shortest run duration (earliest and latest recorded counts for all years) is indicated for Crabapple Creek, beginning in late April and ending in the second week of June.

2.3 Juvenile Data

Juvenile coho densities for various Haida Gwaii streams were assessed by the H.F.P. in 1998 (Ferguson et al. 2000); in 2000, D.F.O., H.F.P. and other community groups provided similar data.

In 1998, the average density for streams sampled (16 sites) was 0.61/m^2. Mean density estimates for survey sites in Areas 1 (7 sites), 2 West (3 sites) and 2 East (6 sites) for 1998 were .37/m^2 (min. = .10, max. = .64), .79/m^2 (min. = .18, max. = 1.44) and 1.63/m^2 (min. = .86, max. = 3.33) respectively. For 2000, the average density for the surveyed streams (46 sites) was calculated as 1.01/m^2 (pers. comm. K. Hoyseth, D.F.O. Prince Rupert). In 2000, mean density estimates for survey sites in Areas 1 (23 sites), 2 West (2 sites) and 2 East (19 sites) were .71/m^2 (min. = .12, max. = 3.72), .18/m^2 (min. = .11, max. = .25) and 1.47/m^2 (min. = .01, max. = 2.82) respectively.

Area 1 site densities increased approximately 92% from 1998 to 2000. We are unable to compare with brood year escapement indices as no index could be calculated for 1997 due to lack of data. Juvenile densities for 2 West sites decreased about 77% from 1998 to 2000, while brood year escapement index values increased 338%. A decrease in densities of 9.8% was observed between these two years in 2 East sites; however escapement index values for the brood years increased 167%.

3. Catch Summary

3.1 Q.C.I./Haida Gwaii Commercial Fisheries Overview

Area 1.

The historic Area 1 net fishery can be separated into two distinct fisheries. The first is a fishery focusing on passing stocks (July to mid-August) concentrated in the Langara Island region off the northwest corner of the Q.C.I./Haida Gwaii. This is predominantly a seine fishery harvesting passing sockeye and pink salmon bound mainly for the Skeena River. Nass, Fraser and Southern Southeast Alaskan stocks are also caught incidentally. The second fishery (mid-August to October) concentrated in Masset Inlet and Naden Harbor, is a gillnet and seine fishery directed on surplus chum and even-year pink stocks (Pacific Salmon Commission Joint Northern Boundary Technical Committee Report, TCNB (99)-1). Restrictions and closures to nets began in the late 1990's to conserve upper Skeena coho stocks. A season-wide coho non-retention regulation has been in effect from 1998 to 2000.

The Area 1 troll fishery targets on migrating Chinook, coho or pink salmon. Troll fisheries in the 1970's and early 1980's generally commenced by the first or second week of June. Since the late 1980's, conservation measures for certain passing stocks have, on average, delayed the troll opening until the first week of August. A season-wide coho non-retention regulation has been in effect from 1998 to 2000.

Area 2 West.

The historic Area 2 West net fishery has had two distinct fisheries that operate similar to Area 1. The first fishery component fished on passing stocks (early July to mid-August),

with effort concentrating in Rennell Sound. The fishery was predominantly a seine fishery harvesting passing Fraser sockeye and pink stocks. Conservation measures on these stocks in the mid to late 1990's significantly reduced fishing opportunity and then eliminated this fishery. A second gillnet and seine fishery directed on local stocks in various inlets can occur from late August to mid-October. A season-wide coho non-retention restriction was in effect from 1998 to 2000.

The 2 West troll fishery has historically targeted on passing Chinook, coho pink and sockeye. Conservation measures established for passing stocks have delayed season openings from the third week of June in the 1970's, to the first week of July in the 1980's to late July in the 1990's. A season-wide coho non-retention restriction was in effect from 1998 to 2000.

Area 2 East.

Area 2 East net fisheries generally occur between the last week of August and the middle of October. Gillnet and seine fisheries target on local pink and chum escapement surpluses. Conservation measures reduced coho catches in the late 1990's. A season-wide coho non-retention restriction was in effect from 1998 to 2000, with the exception of directed fisheries on enhanced surplus returns to Cumshewa Inlet streams.

Timing of the startup of the 2 East troll fishery has shifted from the third week of June in the 1970's to the first or second week of July. A season-wide coho non-retention restriction was in effect from 1998 to 2000.

3.2 Commercial Fishery Coho Catch Data

Annual coho catch data for the years 1952 to 2000, by Statistical Area and by gear type for Q.C.I./Haida Gwaii (Table 21), North Coast Canada (Table 22) and Northern Canada (Table 23) was obtained from the D.F.O. Regional Commercial Saleslip Database. Alaskan commercial coho catch data for the years 1960 to 1999 by statistical area for gillnet and seine and by quadrant for troll gear (Table 24) was obtained from the Alaska Department of Fish and Game.

Annual commercial harvests of coho salmon by all gear types in northern Canadian fisheries have remained relatively constant over the last four decades. Decade averages for the 1960's, 70's, 80's and 90's are 820,000, 560,000, 720,000 and 550,000 respectively. Annual Canadian catches for the years 1998 to 2000 have been low (2,000 to 4,000) due to harvest restrictions over concern for northern coho stock levels. Alaskan coho catches (all gear types) for the same time periods have increased each decade, with decade average catches of 780,000, 800,000, 1.5 million and 2.6 million respectively. An apparent shift in commercial coho catch levels has occurred; northern Canadian and Alaskan coho catches for the 1960's were relatively similar,

however Alaskan harvests have increased in each succeeding decade and are now almost five times the Canadian coho catch average for the 1990's. Alaskan commercial gear harvested approximately 1.4 million coho in 2000.

3.3 Coded Wire Tag (CWT) Release and Recovery Information for Q.C.I./Haida Gwaii Coho.

Description of CWT Data.

Weekly CWT recoveries were summarized for Northern Canadian and Alaskan commercial fisheries using weekly mean catch, effort and CWT recovery data for the years 1983 to 1997 for troll gear and 1983 to 1995 for nets. Coho conservation measures in Canadian waters after these dates, which include seasonal non-retention restrictions, preclude analysis of CWT data. When recovery information for specific Statistical Areas and gear type were reviewed, recovery data with multi-area and multi-gear codes were excluded. These excluded tags were low in number. We assumed that exclusion of these tags would not significantly affect the results.

Information is presented for commercial troll and net for both Canadian and Alaskan fisheries. Seine and gillnet gear types are summarized only for Canadian fisheries because Alaskan recoveries separated into these gear types resulted in very little data for analysis. Each Canadian gear type was geographically grouped using Northern Canada, Q.C.I. and North Coast aggregates. Alaskan fisheries are grouped into Alaskan (rollup of all Alaskan tags recovered) and northeast, northwest, southeast and southwest Alaskan recoveries. For each gear aggregate, data showing weekly CWT recoveries, weekly effort (vessel days), and weekly catch (pieces) are provided. Table 29 provides a summary of Mark Recovery Program statistical area codes with corresponding statistical area and geographic descriptions.

An estimate of run timing is provided as a weekly value expressed as the number of tags recovered per thousand vessel days. Relative abundance of Q.C.I./Haida Gwaii coho is expressed weekly as the number of Q.C.I./Haida Gwaii tags per thousand coho caught.

Commercial salmon catch data for Canadian fisheries were obtained from the D.F.O. Regional Saleslip Database. Alaskan Catch data were obtained from the Alaskan Department of Fish and Game. Commercial net catch data were assumed to accurately reflect actual date of catch.

Catch dates for commercial troll data required amendment since the salmon Saleslip Database reflects date of landing rather than the actual date of catch. An algorithm developed by the Department's Catch Statistics Unit (A. Wong) to transform saleslip troll data to refiect actual date of catch was compared to data that had been lagged back one week (Table 30). Weekly troll catch for the years 1988 to 1994 was used to assess each approach. Both datasets show very similar average weekly proportions of

catch for these years (Figure 30). We chose to correct Canadian and Alaskan troll data to reflect actual catch date by lagging troll data back one week.

Commercial net effort for the Canadian north coast was obtained from weekly data from the north coast Hail-Catch Database, collected by D.F.O. Fishery Management staff. Canadian troll effort was obtained from the Regional Saleslip Database. Effort data from this source reflects date of catch. Alaskan effort was obtained from the Alaskan Department of Fish and Game and was lagged back one week to reflect actual date of catch.

Adjustment of seine 'hours fished" data obtained from the Hail-Catch Database was required in order to standardize actual hours fished. Effort was calculated in the Hail-Catch Database by multiplying hour's open by the amount of gear operating. This approach skews seine effort when openings encompass evening hours. Seine vessels operate only during daylight hours, while gillnets fish throughout the entire opening. Table 31 provides information on how seine 'hours fished' was calculated. This 'corrected' value of hours fished was used to calculate Canadian seine effort.

Release and Recovery Information.

A summary of the Mark Recovery Program Release Report for Q.C.I./Haida Gwaii coho grouped by release site for the years 1980 to 1997 is provided in Table 25. Annual estimated (recoveries expanded to reflect sampling of entire catch) adjusted (an adjustment for lost pin, no pin and no data) CWT recoveries and proportion values from Northern Canadian and Alaskan commercial and sport fisheries are summarized for the years 1983 to 1997 in Table 26 (a commercial non-retention regulation in effect from 1998 to 2000). Table 27 gives location information for each release site for CWT'd coho. Kuhn (1988) provides a detailed explanation of the Mark Recovery Program database and definitions of data.

In recent years, there have been commercial and recreational fisheries in Cumshewa Inlet (2 East) that have either targeted on returning enhanced coho or, because of overlapping run timing, have encountered large numbers in fisheries directed on other species. We attempted to remove the bias in our analysis from this localized fishery by removing these recoveries. Recoveries from the Cumshewa Inlet sport fishery and recoveries from 2 East commercial troll and net fisheries of Cumshewa Inlet origin were removed. The removal of all 2 East commercial recoveries was based on the assumption that a very high proportion of recoveries of Cumshewa Inlet origin tags were a result from fisheries occurring in Cumshewa Inlet (data on a finer scale was not available). Table 28 shows recovery data with recoveries of enhanced Cumshewa coho removed from Cumshewa sport and 2 East commercial fisheries.

The mean of the proportions of recoveries of Q.C.I./Haida Gwaii CWT'd coho for the years 1983 to 1997, with Cumshewa origin tags removed from the Cumshewa recreational fisheries and from 2 East commercial fisheries, is shown in Figure 29.

Northern Canadian Troll gear recovers the majority of these tags (.72), with Alaskan troll recovering the next highest (.10); lesser recoveries in northern Canadian net (.08), northern Canadian sport (.06) and Alaskan net (.05) were observed. The proportions of total northern Canadian and total Alaskan recoveries are .84 and .16 respectively.

The utility of these programs however, depends on the future management of Canadian fisheries, since Alaskan recoveries are in such relatively small proportions and CWT recovery programs from Canadian catch and release fisheries may be prohibitively expensive.

Run Timing and Relative Abundance Estimates of Q.C.I./Haida Gwaii Coho from Weekly Commercial Fishery CWT Recoveries.

Northern Canadian Troll.

CWT data (Table 32) suggests that Q.C.I./Haida Gwaii coho begin migrating through northern Canadian troll fishery areas in the third week of June, peak in the first week of September, and are present until at least late September. An absence of effort after this date makes it unclear as to the actual end of migration. The index of relative abundance remains quite constant (2 to 4 Q.C.I./Haida Gwaii coho per 1,000 coho caught) from late June to late September, with a one week peak abundance of approximately 19 per 1,000 coho caught in early September.

Q.C.I./Haida Gwaii Troll.

Coho stocks migrating to Q.C.I./Haida Gwaii are present in this fishery from the third week of June to at least late September (Table 33). The peak of migration occurs in early September. The index of relative CWT abundance is fairly constant at 5 per 1,000 coho caught from late June to early August, increasing to a peak of 24 per 1,000 in early September, then declining through to late September when effort ceases.

North Coast Troll.

Recoveries of tagged fish (Table 34) show these stocks begin migration through this fishery area by the third week of June, with peak of migration occurring in late July and migration continuing until at least late September. These stocks are not very abundant in this fishery. Although the abundance index can fluctuate from week to week, the maxim value for any week is only 3 fish per 1,000 coho caught.

Northern Canadian Net.

Recoveries noted in Table 35 indicate Q.C.I./Haida Gwaii coho migrate through this fishery beginning by at least early June. The peak in migration appears to be early September and declines to late October where effort ceases. The relative abundance

index is low (less than 4 fish per 1,000 coho caught) from mid-June to the third week of August. Abundance indices increase to approximately 80 to 100 fish per 1,000 from late August to the third week of September, after which numbers decline into late October when the fishery stops.

Q.C.I./Haida Gwaii Net.

Recoveries from this fishery (Table 36) suggests that migrating stocks enter this fishery by late July, have peak migration in early September and are present until the fishery ends in late October. There are low abundance indices from late July to the third week of August, showing less than 2 fish per 1,000 coho caught. A general abundance of approximately 100 to 200 per 1,000 caught is indicated from late August to the third week of September, peaking in the second week of September and then declining until the fishery closes in late October.

North Coast Net.

Information in Table 37 suggests these fish are present when the fishery begins in the second week of June, peak in migration in the second week of September and appear to have migrated through this fishery area by the third week of September. Q.C.I./Haida Gwaii coho are not very abundant in this fishery, showing a maximum index value in any recovery week of only 5 fish per 1,000 coho caught.

Alaskan Troll.

Recoveries noted in Table 38 show that Q.C.I./Haida Gwaii coho appear in Alaskan troll fisheries by the second week of June. Migration peaks in mid-July, then generally declines each week to the third week of September, when migration through this area appears to be completed. These stocks show the highest relative abundance index in the second week of June, after which a general decline occurs each week. Relative abundance indices of Q.C.I./Haida Gwaii coho are very low in Alaskan waters, with a maximum abundance index of less than 1 fish per 1,000 coho caught.

Northeast and Northwest Alaska Troll.

Tag recoveries for northeast and northwest Alaska fisheries (Tables 39 and 40) show Q.C.I./Haida Gwaii coho stocks begin migrating through these areas in the third week of June and have passed through northeast Alaska by late August and through northwest Alaska by mid-September. These stocks appear to be more abundant in northeast Alaska (approximately 2 fish per 1,000 coho caught) in the third week of June, after which both locations show very low abundance indices of these stocks (maximum of .18 per 1,000 coho caught).

Southeast and Southwest Alaska Troll.

Arrival of Q.C.I./Haida Gwaii coho stocks begin in the second week of June for southeast Alaska (Table 41) and are present until the third week of September. These stocks appear in the southwest Alaska troll fishery (Table 42) by the third week of June and have finished migration through this area by the second week of September. Other than a peak in abundance in southeast Alaska in late June (33 fish per 1,000 coho caught), these stocks show very low abundance indices in all other weeks (less than .37 fish per 1,000 caught).

Alaskan Net.

Table 43 show Q.CI./Haida Gwaii coho stocks appearing in this fishery by the third week of June, with a peak in abundance in mid-July after which a continued decline is indicated until the third week of September. There are low abundance indices of these fish in weekly net fisheries. The maximum abundance index of 1 fish per 1,000 coho caught occurs in the third week of June and generally decreases each week after this date to a value of .01 per 1,000 coho caught for early September.

Proportional Recoveries of CWT'd Q.C.I. coho by Release Statistical Area by Recovery Area.

A summary of recoveries of Q.C.I./Haida Gwaii coho by Statistical Area aggregates of release sites by major recovery areas is provided in Table 44. Table 45 shows statistical area designations for catch regions used when summarizing north, central and southern recoveries. Recoveries from commercial troll and recreational fisheries were summarized for the years 1983 to 1997; for commercial nets, recoveries for the years 1983 to 1995 were documented.

Data is presented with 2 East recoveries of enhanced Cumshewa coho included, and with these recoveries excluded. Cumshewa recoveries were separated out from 2 East results using the same rationale noted at the beginning of this section. Large numbers of enhanced Cumshewa coho are recovered in 2 East Cumshewa fisheries from either directed fisheries on returning enhanced coho or from catches due to overlapping migration timing with other species. The summary showing results with these recoveries removed attempts to remove the bias that the 2 East Cumshewa fisheries have on the data.

Results showing proportional recoveries by recovery area (commercial and recreational recoveries combined) of releases grouped by Statistical Area, including 2 East Cumshewa recoveries show northern Canada recovers the highest proportion of tag releases within each Statistical Area. Northern Canada recovers 88% of Area 1, 78% of Area 2 West and 94% of 2 East releases. Alaska recovers the second highest proportions of these tag groups, at 11%, 21% and 4% respectively. Very small proportions are noted for central and southern Canada. When 2 East recoveries of

Cumshewa tagged coho are removed, northern Canada's recoveries of 2 East tags decreased to 84% and Alaska's recoveries increased to 12%.

Tags Recoveries by Release Site.

Weekly recoveries of tags by release site for troll, net, seine and gillnet gear types and monthly sport recoveries for northern Canada, Q.C.I./Haida Gwaii, North Coast and Alaskan regions for combined recovery years 1983 to 1999 are summarized in Tables 46 to 64. Gillnet and seine recoveries do not add up to net totals because of multi-gear labels for some data. Only data with specific gear coding were used when recoveries from a specific gear type were summarized. This information represents a detailed summary of 'when and where' recoveries of tags from each release site occurred in major geographic areas. The data are provided as a 'special interest' section and are not specifically analyzed in this paper. Tables 65 to 83 provide a proportional summary of this recovery information for each recovery gear type and region.

3.4 Q.C.I. Recreational Fishery

Catch and Effort Data.

In general, historic D.F.O. recreational fishery catch and effort information have been a result of undocumented expansions of data collected from opportunistic surveys conducted in the mid and late summer months (pers. comm. V. Fradette, Resource Manager, D.F.O. Queen Charlotte City). Relatively small numbers of anglers fished in these waters up to the early 1980's, until lodges and charter boats began seasonal operations. Most effort by commercial lodge and charter boat operations occurs in Area 1, fishing on passing Chinook and coho stocks. Table 84 provides annual coho catch estimates for Areas 1, 2 West and 2 East for the years 1985 to 2000. In addition, D.F.O. annual harvest estimates for Areas 1, 2 West and 2 East for the years 1996 to 1999 and harvest estimates from the Haida Fishery Program creel surveys for the period June to September are also provided.

Catches from the Haida Fisheries Program (HFP) creel surveys for Area 1 (June to September period) were slightly higher than DFO annual estimates for most species. Some of this difference is because independent anglers (who operate in a similar manner as larger charter operations) are more thoroughly monitored by the HFP creel survey program.

Prior to 1997, DFO annual estimates of recreational catch for Area 2W were higher than HFP estimates. This is because the HFP survey did not employ a comprehensive survey of charter/lodge operators in Area 2W. Departmental staff focused efforts on obtaining year-end summaries of catches from all lodge operators in Area 2 West. Commencing in 1997, the HFP program limited its survey to independent operators. Catch estimates by the HFP creel survey of independent anglers were consistently greater than those estimated by DFO. It is suggested that the HFP creel survey

continue to monitor the independent fishery in Area 2W because of a more complete survey program, and that these catch estimates be summed with the DFO estimates for charter/lodge operators to provide a total estimate for Area 2W.

Haida Fisheries Program creel surveys provide the only estimates of recreational catches in Area 2E.

Fishery Management.

Prior to 1998, coho fishing in the Q.C.I./Haida Gwaii ocean fisheries was open year round, with a daily limit of 4 coho over 30-cm. nose - fork length.

In 1998, conservation measures were introduced to protect upper Skeena coho stocks. Area 1 was closed for recreational salmon fishing with the exception of a Special Management Zone (SMZ) located inside of a line two nautical miles seaward of the northern shoreline of Graham Island (Tian Head to Cape Ball) and waters within two nautical miles of the shoreline of Langara Island. Salmon fishing for species other than coho was permitted in this SMZ. For Areas 2 East and 2 West, a daily catch limit of one coho was permitted inside the surf line. No salmon fishing was permitted outside the surf line for these Areas.

Coho conservation regulations were the same in 1999 as 1998, with the exception that the Area 1 SMZ permitted daily catches of one coho per day from August 30 to December 31. Daily coho catches were increased in Sub-area 2-4 (the head of Cumshewa Inlet, 2 East) to two per day on August 30 and to four per day on September 25. The fishery at the head of Cumshewa Inlet targeted on returning enhanced Pallant Creek coho.

In 2000, a daily catch of one per day was permitted in sub-area 1-6 (Masset Inlet and Masset Sound), Area 2 West and 2 East. A daily catch of four per day was permitted in sub-area 2-4. On July 29, regulations permitted a catch of one per day for all Area 1 locations, and catches were increased in 2 East to two per day. On August 19, daily catches in Area 1 were increased to permit retention of two coho per day.

3.5 Q.C.I. Haida Food Fishery

Coho harvest data for the First Nation food fishery is generally poorly documented and incomplete although all indications are that the harvests are very modest (pers. comm. V. Fradette, Resource Manger, D.F.O. Queen Charlotte City). The two data sources identified for this information are from opportunistic D.F.O. field surveys and the Haida Fisheries Program. All available catch information for the years 1980 to 2000 is summarized in Table 85. Information for the years 1995 to 2000 is considered to be the most reliable (pers. comm. V. Fradette, Resource Manager, D.F.O. Queen Charlotte

City). Annual coho catches for all of the Q.C.I./Haida Gwaii for the years 1995 to 2000 are documented as 253, 781, 263, 1,406, 1,080 and 2,075 respectively.

4. Enhancement History

A summary of coho enhancement activities for Q.C.I./Haida Gwaii streams was obtained from a Microsoft Access™ database held by the Habitat and Enhancement Branch (H.E.B.). Information from this dataset documents coho enhancement for the period 1979 to 2000 (Table 86). Annual smolt (fish weighing ≥ 10g.) and fry release data summarized into H.E.B. geographic groupings is provided in Table 87.

The two major salmon enhancement facilities operating in the Q.C.I./Haida Gwaii region are located in Masset and Pallant Creek. The Masset hatchery provides coho enhancement to the streams within the Yakoun River watershed. An average of 30,500 smolts has been released into the Yakoun River for the years 1982 to 1996 and 2000. Annual averages of 19,000 fry have been released intermittently within this period as well.

The Pallant Creek Hatchery enhances Pallant Creek, Mathers Creek and Braverman Creek coho stocks. An average of approximately 200,000 smolts has been released in Pallant Creek for the years 1989 to 1993. Mathers Creek received approximately 77,000 smolt releases in 1991. No other smolt supplementation is recorded. Pallant Creek has received an average of approximately 200,000 fry for the years 1980 to 1989 and 1993 to 1998. Mathers Creek has received an average release of 61,000 fry for the years 1989, 1990, 1992 and 1993. Braverman Creek has received annual releases of approximately 173,000 fry for the years 1985 to 1998. Copper River was enhanced by this facility for only one year (1979), with a release of approximately 19,000 fry.

Groups coordinated by the Department's Community Involvement Program enhance all other streams in the Q.C.I./Haida Gwaii region (pers. comm. D. Davies, D.F.O. Community Advisor, Queen Charlotte City). There are 40 streams that have received coho enhancement by the Community Involvement Program. This enhancement varies widely from stream to stream and from year to year, although generally occurs in the form of fry releases. The mandate of the Community Involvement Program for coho is to provide short term or intermittent enhancement to streams that have been identified as requiring assistance (pers. comm. D. Davies, Community Advisor, D.F.O. Queen Charlotte City).

5. Stock Identification.

Estimates of stock composition of QCI origin coho from preliminary DNA analysis data of coho catches in some commercial seine, gillnet and troll fisheries (1998) and recreational fisheries (1998 and 1999) have recently been calculated. This unpublished data was obtained through pers. comm. with T. Beacham, D.F.O. Research Scientist,

Population Genetics. Sample size within fisheries of this preliminary data varies significantly (Table 88).

It should be noted that data collection and stock composition analysis is currently not directed at QCI coho, however the utility of this information for QCI Area or Subarea specific assessments should be evaluated.

5.1 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Seine Coho Catches.

Results indicate 13% of coho harvested in the Area 1 August seine fisheries are of Q.C.I./Haida Gwaii origin. 2 West seine fisheries operating in late August appear to harvest approximately 21% Q.C.I./Haida Gwaii coho. Catches from 2 East seine fisheries operating from mid-September to mid-October appear to harvest 69% local coho stocks. Area 3 seine fishery coho harvests approximately 1% of these stocks during mid to late-July, 2% in early August and 5% in mid to late August. Information for Area 6 seine fisheries show a range of approximately 1% Q.C.I./Haida Gwaii coho in mid-July to about 4% during mid to late August.

5.2 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Gillnet Coho Catches.

Analysis of Gillnet catches suggests that the Area 2 East fishery harvests approximately 69% local stocks during late September and early October. The Area 3 fishery operating during mid July to late August and the Area 6 catches from late July to late August did not show harvests of any Q.C.I./Haida Gwaii Coho. Results from Area 4 fisheries operating during mid to late July indicate 26% of the coho catch is of Q.C.I./Haida Gwaii origin.

5.3 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 North Coast Commercial Troll Coho Catches.

Sampling from 2 West troll fisheries show catches of local coho stocks comprise about 7% of coho caught during late July, and approximately 13% during early to late August.

5.4 Stock Compositions of Q.C.I./Haida Gwaii Coho Salmon in some 1998 and 1999 Recreational Fishery Coho Catches.

Catch from the 1999 Area 1 Langara fishery on August 23 show local stocks comprising 30% of the coho catch. Results from Area 3 coho catches from late July to late August (1998) show 7% originate from Q.C.I./Haida Gwaii; sampling in 1999 indicated 3% are from this location. Area 4 coho catch for the period July 25 to August 15 show estimated compositions of 9% in 1998 and 5% in 1999.

6. Survival Estimates.

Estimates of survival from smolt to adult and from smolt to spawner were calculated for 1997 and 1998 harvest recovery years for Deena River coho. Updated estimates provided by the Haida Fisheries Program and DFO (J. Sawada, D.F.O., Pers. comm.) indicate that smolt to adult survival for harvest recovery years 1997 and 1998 was 1.74% and 1.49% respectively. Incomplete data prevent a smolt to spawner survival estimate for 1999 and 2000.

Annual Pallant Creek coho survival estimates by release tag code by life stage are provided in Table 89. Overall mean survival of spring fry releases for the years 1980 to 1988 and 1992 to 1996 is 1.4%, and mean survival of smolt releases for the years 1987 to 1991 is 6.5% (pers. comm. Don Bailey, D.F.O. Habitat and Enhancement Branch, SEP1 Printout). Caution should be noted in using the 1987 to 1991 mean as there are two years of large survival (12% in 1987 and 13.1% in 1989) while other years show a much lower survival rate. Removing the two values for 1987 and 1989 result in a mean survival of 4.3% for the remaining years.

6.1 Commercial Fishery Exploitation Rates.

Estimates of commercial fisheries exploitation rates (Alaskan + Canadian) on Deena River coho for 1997 and 1998 harvest years are estimated to be 24.8% and 8.6% respectively. Estimates of 1997 exploitation rates for Areas 1, 2 West and 2 East stocks by Holtby et al. (2000) were 44.3%, 41.9% and 44.3% respectively. Exploitation estimates from both authors for 1997 are quite similar. For 1998, Holtby et al. (2000) estimates commercial exploitation rates of Areas 1, 2 West and 2 East stocks at 57.4%, 56.4% and 57.4% respectively. Coho non-retention restrictions in all northern Canadian commercial fisheries in 1998 suggest that the 8.6% exploitation rate estimate (Canada and US combined) may be a more appropriate value due to this Canadian non-retention restriction, and would represent primarily Alaskan interception of these stocks. Incomplete data for Deena River in 1999 preclude an exploitation estimate. The 1999 exploitation rates for Areas 1, 2 West and 2 East provided by Holtby et al. (2000) are estimated as 45.7%, 30% and 45.7%.

Annual exploitation rate estimates of Pallant Creek co[illegible] commercial harvest years 1983 to 1997, including all 2 East sport and comme[illegible]coveries are summarized in Table 90. The mean total exploitation rate is 55%[illegible]e mean exploitation rates of Alaskan and Canadian fisheries are 3% and 52% respectively. Table 91 provides exploitation rate information with Cumshewa Inlet sport and 2 East commercial recoveries removed in an attempt to remove the bias introduced from Cumshewa fisheries that either targeted on returning enhanced coho or were from catches due to overlapping migration timing with other species. The removal of all 2 East commercial net and troll recoveries was based on the same assumption noted in Section 3.3; that a very high proportion of recoveries of Cumshewa Inlet origin tags were a result from fisheries occurring in Cumshewa Inlet. Exploitation rate results after removal of Cumshewa sport and 2 East commercial recoveries show a mean total exploitation rate

of 31.9% and mean Alaskan and Canadian exploitation rates of 4.4% and 27.5% respectively.

Exploitation rates calculated by Holtby et al. (2000) for QCI stocks for 1998 and 1999 appear to be higher than expected. These results used analysis based on reconstructed time series of exploitation rates for Skeena coho. This approach appears to have overestimated exploitation rates for QCI coho stocks for 1998 and 1999. Northern Canadian commercial fisheries were prevented from retaining coho salmon all season for both 1998 and 1999. No directed coho fisheries occurred in the north coast during these years. The only exceptions to this were minor terminal harvests of coho permitted in Area 2 East, assumed to be enhanced fish returning to Cumshewa Inlet streams.

Preliminary CWT recovery data for 2000 show no recoveries of CWT'd Deena River coho in Canadian or Alaskan fisheries, suggesting a 0% commercial exploitation on this stock. This appears to be likely, as the 2000 northern Canadian commercial fisheries were prevented from retaining coho salmon.

7. Biological Characteristics

7.1 Adult Characteristics

Age data from sampling of spawners for the years 1989, 1990 and 1992 at Marie Lake (Yakoun River) and one site on the Yakoun River mainstem represent all age information stored in the Regional Scale Age Database for Q.C.I./Haida Gwaii coho salmon. Age data from relatively small numbers of samples show 97% age 1.1 (3_2) and 3% age 2.1 (4_3) for 1989 (n = 31). Results for 1990 and 1992 shows 95% age 1.1 and 6% age 2.1 (n = 54), and 98% age 1.1 and 2% age 2.1 (n = 94) respectively. The age profile of spawning fish for this river for all years combined is 97% age 1.1 and 3% age 2.1.

Data provided by Frith et al. (2000) from sampled spawners in the Deena River in 1997 shows adult male and female coho with mean lengths (n = 100) of 535.16 mm. (SD = 46.61) and 535.24 mm. (SD = 31.03) respectively. Results from 1998 show average length for male spawners as 569.19 mm. (SD = 38.53) and 584.18 mm. (SD = 25.45) for females.

There may well be historic information of biological characteristics for Q.C.I./Haida Gwaii coho from field programs such as the Yakoun River counting fence, however these data were not available in electronic format for review.

7.2 Smolt Characteristics

Age-length information for the years 1994 and 1996 to 1998 (Table 92) were obtained by the Haida Fisheries Program for the Deena River (Frith et al. 2000). For these years, mean lengths (mm.) of Age 1 (overwintered 1 year in freshwater) fish range

between 84.3 and 95.8 and between 92.0 and 106.8 for Age 2 (overwintered 2 years in freshwater) fish. The age structure of out-migrating smolts reversed in 1996 and 1997. For 1994 and 1998, Age 2 fish comprised an estimated 9% and 22% of the smolt output. For 1996 and 1997, Age 2 fish contributed 63% and 79% of the run for each of these years, respectively. This represents unusual coho smolt age structure characteristics and requires further verification of data and results.

7.3 Juvenile Characteristics

Juvenile coho captured in 1998 surveys (Ferguson et al. 2000) show fish were predominantly in the first year of growth (Age 1 or 0+); typically between 70% and 100% Age 1. Exceptions to this were Datlamen Creek, Kumdis Creek and Sangan River for which Age 2 was the dominant age class; typically 55% to 70% Age 2. These streams in which Age 2 was dominant are all located on North Graham Island. The mean length and weight of Age 1 coho ranged from 53.0 mm. and 1.9 g. at Tarundl Creek to 77.4 mm. and 5.7 g. at Kumdis Creek.

Preliminary data from the 2000 sampling program show mean lengths and weights of juvenile coho from streams sampled in Areas 1 (22 streams), 2 West (2 streams) and 2 East (22 streams) were 72.0 mm. and 4.5 g., 63.6 mm. and 4.0 g., and 56.3 mm. and 2.9 g. respectively.

8. Overview of Assessment Planning

Considerable planning of coho stock assessment work for Q.C.I./Haida Gwaii has been accomplished in recent years. Although the north coast Assessment Framework (Blair Holtby, unpublished) is not approved for publication at this time, reference to principles from this preliminary document will provide information on our approach to coho stock assessment for this area.

In 1993, the Department and Haida Fisheries Program representatives held a coho salmon workshop. This technical committee reviewed historic stock assessment and fisheries management information, adult and juvenile assessment methodologies and identified long-term study needs. The information from this workshop (unpub. doc.[1]) was used to begin planning coho assessment work for this area. The Haida Fisheries Program developed an assessment plan for coho stocks (Bocking, 1994) and provided a list prioritizing various programs. Current stock assessment work on the Deena River is a result of priorities identified from this assessment plan.

Information contained in the Department's 2000 Wild Salmon Policy discussion paper is also being used to provide direction for coho stock assessment work. The Conservation Unit approach for assessment of populations with common genetic lineage, common productivity and vulnerability to existing fisheries influenced our analysis of escapement data. Our results show that there can be escapement trend differences between FMS

stream aggregates, suggesting conservation units are likely smaller than a Statistical Area.

Coho salmon are assessed using a combination of a small number of intensively monitored 'key streams' (intensive assessment) representing a large geographic stream aggregate, and a large number of less intensively monitored streams (extensive assessment). Intensively monitored streams use counting fences to assess adult and smolt populations, juvenile density sampling to assess populations, stream sampling for biological characteristics, and coded wire tag information to determine marine survival, exploitation rate and catch distribution patterns. Extensive streams are assessed through documented expansions of visual inspections, AUC estimates, or from juvenile density sampling.

An adult coho enumeration plan for Q.C.I./Haida Gwaii has been evolving since 1996. For 2001, adult and juvenile coho enumeration plans have been established by the north coast Stock Assessment Unit through consultation with D.F.O. fishery managers, Haida Fisheries Program and local community groups. This adult coho enumeration plan outlines the goal for the 'quality' of the escapement estimate, and the techniques and resources to achieve it. The juvenile assessment plan outlines sampling locations and identifies staff responsible for obtaining data. North coast Stock Assessment staff coordinates these two field programs and collates and analyzes results.

Preliminary results from very recent habitat based productive capacity analysis may provide data for establishing spawner 'reference points' outlined by the 2000 Wild Salmon Policy discussion paper.

At this time, the Deena River, located in East Skidegate Inlet (Area 2 East) is the only key stream for wild populations located in the Q.C.I./Haida Gwaii. Information provided by this paper suggests that key indicator streams should be established for groups of streams smaller than a Statistical Area aggregate. AUC escapement estimates have been obtained for Datlamen Creek for 1999 and 2000. Results from fieldwork suggest that this system may provide suitable data for consideration as a designated key stream.

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[1]Unpublished Document: Proceedings of the DFO-Haida Joint Salmon Technical Committee Coho Salmon Workshop, July 21 – 22, 1993.

Table 1. Calculation of Correlation Values.

The Correlation value (r) is calculated by dividing the covariance (*Cov*) of two data sets (*X*, *Y*) by the product of their standard deviations (σ_x, σ_y)

where $$Cov(X,Y) = \frac{1}{n}\sum_{i-1}^{n}(xi - \mu x)(yi - \mu y)$$

and $$r = Cov(X,Y) / (\sigma x * \sigma y)$$

Table 2. Pearson Correlation Matrix[1] of Escapement Indices (Pmax) of QCI Coho Stream Aggregates.

Stat. Area	Stat. Area Aggregate	2W ALL2W	2W ENGBAY	2W WSKID	2W TASU	2W HOLTBY	2E ALL2E	2E ESKID	2E CUMSHEW	2E SELWYN	2E JUANPEREZ	2E SKINANDSTH	2E HOLTBY	1 ALL1	1 NADEN	1 MASSET	1 HOLTBY
2W	ALLAREA 2W	1.00															
2W	ENGLEFIELD BAY	0.79	1.00														
2W	W. SKIDEGATE	0.71	0.33	1.00													
2W	TASU	0.67	0.33	0.38	1.00												
2W	HOLTBY	0.96	0.79	0.63	0.62	1.00											
2E	ALL AREA 2E	0.66	0.37	0.55	0.53	0.58	1.00										
2E	E. SKIDEGATE	0.35	0.39	-0.01	0.16	0.20	0.43	1.00									
2E	CUMSHEWA	0.27	0.23	-0.01	-0.05	0.28	0.02	-0.22	1.00								
2E	SELWYN	0.53	0.21	0.65	0.40	0.55	0.78	-0.06	0.13	1.00							
2E	JUAN PEREZ	0.52	0.20	0.71	0.50	0.44	0.80	0.11	-0.09	0.74	1.00						
2E	SKINCUTTLE & STH.	0.55	0.25	0.57	0.53	0.44	0.91	0.23	-0.12	0.74	0.80	1.00					
2E	HOLTBY	0.63	0.31	0.68	0.53	0.54	0.96	0.30	0.05	0.81	0.79	0.93	1.00				
1	ALL AREA 1	-0.18	0.01	-0.29	-0.19	-0.25	-0.13	0.22	0.04	-0.31	-0.24	-0.14	-0.10	1.00			
1	NADEN	-0.14	-0.06	-0.16	-0.08	-0.25	0.00	0.17	-0.12	-0.14	-0.05	0.13	0.07	0.93	1.00		
1	MASSET	-0.32	-0.09	-0.40	-0.26	-0.36	-0.26	0.28	-0.07	-0.43	-0.43	-0.31	-0.26	0.79	0.52	1.00	
1	HOLTBY	0.04	0.18	-0.15	0.03	0.03	0.05	0.34	-0.13	-0.20	-0.09	-0.05	0.02	0.70	0.72	0.49	1.00

[1]Correlation matrix calculated using Systat™ software.

Table 3. Indices of Coho Escapement for Area 1 Aggregate and Annual Escapement Estimates (BC16 reports).

Year	Number Of Records	Pmax	Pmax (Holtby et al.)	Number Of Records (Holtby et al.)	Annual Coho Escapement Estimates (all streams)
1950	2	0.450	0.333	8	16,500
1951	3	0.157	0.303	9	44,900
1952	3	0.140	0.171	7	12,950
1953	0		0.170	4	1,200
1954	2	0.085	0.343	7	10,400
1955	1	0.070	0.190	5	5,050
1956	2	0.085	0.117	6	7,675
1957	3	0.054	0.232	8	13,550
1958	3	0.052	0.127	7	5,150
1959	3	0.099	0.313	10	20,200
1960	4	0.056	0.125	13	14,150
1961	4	0.079	0.315	12	27,150
1962	3	0.072	0.417	11	35,800
1963	3	0.037	0.107	10	12,575
1964	4	0.184	0.453	13	60,300
1965	4	0.218	0.568	13	77,850
1966	4	0.119	0.145	10	13,025
1967	4	0.199	0.172	13	23,625
1968	4	0.092	0.133	11	10,250
1969	2	0.055	0.072	8	6,825
1970	5	0.131	0.264	13	24,050
1971	6	0.054	0.070	15	14,335
1972	6	0.148	0.229	15	26,150
1973	6	0.286	0.241	15	58,350
1974	6	0.711	0.499	15	97,100
1975	6	0.369	0.365	15	47,000
1976	6	0.903	0.633	15	153,500
1977	6	0.375	0.325	15	55,400
1978	6	0.366	0.414	15	61,250
1979	6	0.199	0.313	15	34,750
1980	5	0.139	0.124	13	17,140
1981	6	0.133	0.169	15	18,000
1982	6	0.158	0.285	15	35,250
1983	5	0.132	0.232	14	20,600
1984	6	0.166	0.263	15	28,850
1985	6	0.148	0.216	15	23,700
1986	6	0.186	0.279	15	32,900
1987	6	0.303	0.290	15	32,650
1988	6	0.177	0.177	15	28,900
1989	4	0.143	0.137	11	16,550
1990	2	0.150	0.139	6	10,270
1991	2	0.062	0.151	7	11,350
1992	3	0.137	0.128	6	8,200
1993	1	0.250	0.411	2	2,500
1994	0			0	
1995	0			0	
1996	0			0	
1997	0			0	
1998	6	0.177	0.247	12	38,400
1999	2	0.500	0.388	8	28,000
2000	6	0.209			22,600

Table 4. Indices of Coho Escapement for Area 2 West Aggregate and Annual Escapement Estimates (BC16 reports).

Year	Number Of Records	Pmax	Pmax (Holtby et al	Number Of Records (Holtby et al.)	Annual Coho Escapement Estimates (all streams)
1950	8	0.339	0.443	13	3,545
1951	12	0.445	0.500	21	18,525
1952	8	0.276	0.344	16	5,630
1953	11	0.049	0.128	17	1,479
1954	7	0.339	0.417	14	4,900
1955	9	0.120	0.125	13	1,550
1956	4	0.068	0.064	6	425
1957	6	0.285	0.241	9	10,600
1958	4	0.293	0.264	7	1,975
1959	4	0.061	0.075	5	785
1960	6	0.290	0.386	9	6,000
1961	8	0.214	0.285	11	3,670
1962	1	0.167	0.333	3	1,350
1963	4	0.084	0.117	6	1,165
1964	10	0.516	0.465	14	10,500
1965	5	0.274	0.267	8	4,350
1966	12	0.571	0.559	15	16,500
1967	11	0.335	0.343	16	6,682
1968	8	0.246	0.251	14	4,430
1969	11	0.166	0.149	16	4,135
1970	10	0.146	0.208	14	3,650
1971	6	0.037	0.095	10	696
1972	9	0.105	0.114	12	2,550
1973	5	0.022	0.019	6	271
1974	5	0.018	0.018	5	385
1975	8	0.022	0.051	10	300
1976	4	0.057	0.057	4	648
1977	6	0.068	0.060	7	585
1978	7	0.057	0.065	13	951
1979	7	0.164	0.131	11	1,151
1980	10	0.076	0.081	15	971
1981	10	0.248	0.213	13	2,200
1982	10	0.052	0.049	13	827
1983	8	0.084	0.124	11	790
1984	12	0.079	0.066	16	960
1985	15	0.042	0.041	18	845
1986	15	0.094	0.110	19	1,841
1987	14	0.056	0.096	22	1,197
1988	17	0.115	0.140	23	2,045
1989	18	0.050	0.061	24	1,292
1990	16	0.058	0.060	21	1,213
1991	16	0.051	0.094	22	1,723
1992	16	0.061	0.070	21	1,682
1993	13	0.077	0.105	21	1,925
1994	16	0.063	0.081	19	3,014
1995	15	0.063	0.066	22	1,073
1996	18	0.061	0.127	23	1,508
1997	14	0.021	0.028	16	370
1998	17	0.164	0.283	21	3,231
1999	12	0.092	0.148	16	4,162
2000	15	0.049			5,075

Table 5. Indices of Coho Escapement for Area 2 East Aggregate and Annual Escapement Estimates (BC16 Reports).

Year	Number Of Records	Pmax	Pmax (Holtby et al.)	Number Of Records (Holtby et al.)	Annual Coho Escapement Estimates (all streams)
1950	18	0.109	0.112	32	40,819
1951	21	0.266	0.278	31	109,443
1952	22	0.322	0.405	43	77,600
1953	20	0.141	0.183	35	21,725
1954	20	0.272	0.242	32	59,450
1955	13	0.174	0.152	21	40,460
1956	16	0.174	0.202	24	38,675
1957	16	0.241	0.247	27	46,350
1958	15	0.218	0.261	26	48,950
1959	15	0.237	0.317	27	49,675
1960	14	0.200	0.276	30	57,522
1961	12	0.366	0.369	25	105,250
1962	15	0.308	0.367	31	56,100
1963	14	0.281	0.353	26	59,154
1964	17	0.517	0.439	35	128,890
1965	16	0.189	0.250	25	65,505
1966	22	0.600	0.588	40	126,975
1967	22	0.341	0.357	44	69,100
1968	19	0.248	0.239	42	43,675
1969	22	0.422	0.507	45	84,650
1970	16	0.445	0.511	27	86,250
1971	7	0.092	0.198	13	19,304
1972	10	0.243	0.328	16	47,475
1973	8	0.249	0.360	20	48,350
1974	9	0.099	0.115	16	16,890
1975	23	0.340	0.377	47	58,570
1976	22	0.230	0.316	42	55,475
1977	23	0.220	0.267	45	37,075
1978	22	0.261	0.265	42	59,885
1979	19	0.125	0.178	39	34,552
1980	20	0.173	0.138	36	25,256
1981	24	0.153	0.143	48	26,093
1982	24	0.105	0.105	51	37,330
1983	25	0.100	0.131	56	29,708
1984	23	0.122	0.121	45	24,217
1985	19	0.100	0.121	36	29,604
1986	23	0.139	0.170	52	22,785
1987	28	0.174	0.163	62	22,350
1988	25	0.115	0.170	57	26,073
1989	27	0.095	0.145	59	18,332
1990	25	0.081	0.116	55	12,795
1991	29	0.103	0.124	58	19,360
1992	28	0.122	0.124	53	26,599
1993	28	0.089	0.107	58	16,174
1994	20	0.070	0.063	34	26,261
1995	20	0.079	0.116	38	13,311
1996	23	0.073	0.095	38	15,620
1997	24	0.093	0.093	35	11,679
1998	27	0.163	0.202	47	38,648
1999	21	0.248	0.222	36	33,330
2000	23	0.078			24,698

Table 6. Pmax Values for Area 1 Stream Aggregates.

Area 1 Stream Aggregates						
	All Aggregates		Naden		Masset	
Year	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax
1950	2	0.450	0		2	0.450
1951	3	0.157	1	0.070	2	0.200
1952	3	0.140	1	0.070	2	0.175
1953	0		0		0	
1954	2	0.085	1	0.070	1	0.100
1955	1	0.070	1	0.070	0	
1956	2	0.085	1	0.070	1	0.100
1957	3	0.054	2	0.042	1	0.080
1958	3	0.052	2	0.028	1	0.100
1959	3	0.099	2	0.048	1	0.200
1960	4	0.056	2	0.042	2	0.070
1961	4	0.079	2	0.088	2	0.070
1962	3	0.072	2	0.100	1	0.015
1963	3	0.037	2	0.048	1	0.015
1964	4	0.184	2	0.200	2	0.169
1965	4	0.218	2	0.267	2	0.169
1966	4	0.119	2	0.082	2	0.156
1967	4	0.199	2	0.042	2	0.356
1968	4	0.092	2	0.028	2	0.156
1969	2	0.055	1	0.070	1	0.040
1970	5	0.131	3	0.018	2	0.300
1971	6	0.054	4	0.030	2	0.103
1972	6	0.148	4	0.073	2	0.300
1973	6	0.286	4	0.354	2	0.150
1974	6	0.711	4	0.729	2	0.675
1975	6	0.369	4	0.229	2	0.650
1976	6	0.903	4	0.917	2	0.875
1977	6	0.375	4	0.350	2	0.425
1978	6	0.366	4	0.256	2	0.588
1979	6	0.199	4	0.124	2	0.350
1980	5	0.139	3	0.076	2	0.235
1981	6	0.133	4	0.027	2	0.345
1982	6	0.158	4	0.063	2	0.350
1983	5	0.132	3	0.047	2	0.260
1984	6	0.166	4	0.049	2	0.400
1985	6	0.148	4	0.049	2	0.345
1986	6	0.186	4	0.097	2	0.365
1987	6	0.303	4	0.045	2	0.820
1988	6	0.177	4	0.031	2	0.468
1989	4	0.143	2	0.012	2	0.275
1990	2	0.150	0		2	0.150
1991	2	0.062	1	0.024	1	0.100
1992	3	0.137	2	0.006	1	0.400
1993	1	0.250	0		1	0.250
1994	0		0		0	
1995	0		0		0	
1996	0		0		0	
1997	0		0		0	
1998	6	0.177	4	0.066	2	0.400
1999	2	0.500	0		2	0.500
2000	6	0.209	4	0.033	2	0.563

Table 7. Pmax Values for Area 2 West Stream Aggregates.

Area 2 West Stream Aggregates								
	All Aggregates		Englefield Bay		W. Skidegate		Tasu	
Year	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax
1950	8	0.339	2	0.600	5	0.102	0	
1951	12	0.445	4	0.705	5	0.290	1	0.057
1952	8	0.276	3	0.141	3	0.195	0	
1953	11	0.049	5	0.032	3	0.024	2	0.052
1954	7	0.339	1	0.500	5	0.370	1	0.021
1955	9	0.120	4	0.115	3	0.195	1	0.021
1956	4	0.068	1	0.050	2	0.098	0	
1957	6	0.285	1	0.063	5	0.329	0	
1958	4	0.293	2	0.029	1	1.000	1	0.114
1959	4	0.061	3	0.043	0		1	0.114
1960	6	0.290	2	0.257	1	0.086	2	0.494
1961	8	0.214	3	0.042	1	0.071	2	0.550
1962	1	0.167	0		0		1	0.167
1963	4	0.084	1	0.017	1	0.188	1	0.114
1964	10	0.516	4	0.542	2	0.263	2	0.531
1965	5	0.274	0		1	0.429	3	0.305
1966	12	0.571	5	0.483	3	1.000	2	0.607
1967	11	0.335	3	0.133	5	0.396	3	0.434
1968	8	0.246	2	0.200	2	0.202	4	0.290
1969	11	0.166	2	0.107	3	0.203	4	0.233
1970	10	0.146	4	0.202	3	0.137	3	0.079
1971	6	0.037	1	0.029	1	0.125	3	0.017
1972	9	0.105	2	0.100	3	0.127	3	0.104
1973	5	0.022	2	0.029	0		3	0.017
1974	5	0.018	0		5	0.018	0	
1975	8	0.022	0		5	0.025	2	0.014
1976	4	0.057	3	0.071	1	0.014	0	
1977	6	0.068	2	0.140	3	0.035	1	0.020
1978	7	0.057	2	0.033	1	0.002	4	0.082
1979	7	0.164	2	0.213	1	0.017	4	0.176
1980	10	0.076	2	0.167	4	0.032	4	0.073
1981	10	0.248	2	0.550	4	0.116	3	0.299
1982	10	0.052	1	0.160	4	0.056	4	0.025
1983	8	0.084	0		4	0.037	4	0.130
1984	12	0.079	4	0.053	4	0.023	4	0.162
1985	15	0.042	5	0.025	5	0.025	4	0.070
1986	15	0.094	5	0.039	6	0.075	4	0.191
1987	14	0.056	6	0.078	6	0.039	0	
1988	17	0.115	7	0.052	6	0.030	4	0.350
1989	18	0.050	7	0.064	6	0.034	4	0.050
1990	16	0.058	5	0.051	5	0.027	4	0.107
1991	16	0.051	6	0.061	5	0.017	4	0.088
1992	16	0.061	6	0.034	5	0.019	4	0.171
1993	13	0.077	6	0.022	3	0.047	4	0.184
1994	16	0.063	6	0.046	4	0.012	4	0.161
1995	15	0.063	6	0.037	4	0.041	4	0.065
1996	18	0.061	7	0.059	5	0.031	4	0.050
1997	14	0.021	4	0.018	5	0.017	3	0.029
1998	17	0.164	6	0.244	6	0.094	3	0.069
1999	12	0.092	5	0.119	5	0.034	2	0.167
2000	15	0.049	6	0.048	5	0.072	3	0.022

Table 8. Pmax Values for Area 2 East Stream Aggregates.

Area 2 East Stream Aggregates												
	All Aggregates		E. Skidegate		Cumshewa		Selwyn		Juan Perez		Skincuttle & South	
Year	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax	No. Records	Pmax
1950	17	0.114	4	0.111	1	0.500	5	0.060	1	0.033	4	0.027
1951	20	0.269	5	0.456	1	0.133	6	0.202	1	0.133	5	0.107
1952	21	0.333	5	0.154	1	1.000	6	0.474	1	0.267	6	0.239
1953	19	0.147	4	0.028	1	0.133	5	0.241	2	0.144	5	0.182
1954	19	0.276	5	0.543	1	0.133	5	0.207	1	0.267	5	0.121
1955	12	0.181	4	0.288	1	0.267	2	0.038	0		3	0.044
1956	15	0.178	3	0.208	0		5	0.139	1	0.533	4	0.110
1957	15	0.257	3	0.178	1	0.500	4	0.272	1	0.533	4	0.127
1958	14	0.227	4	0.051	1	0.133	3	0.416	0		4	0.248
1959	14	0.254	1	0.006	0		3	0.060	2	0.227	6	0.303
1960	13	0.208	2	0.073	0		3	0.300	1	0.063	5	0.185
1961	11	0.390	2	0.238	0		3	0.388	0		4	0.365
1962	14	0.315	2	0.174	1	0.050	3	0.427	2	0.767	4	0.203
1963	13	0.300	2	0.053	0		3	0.414	2	0.321	4	0.271
1964	16	0.487	4	0.938	0		3	0.108	2	0.479	5	0.522
1965	15	0.187	1	0.214	1	0.027	5	0.160	2	0.317	4	0.109
1966	21	0.623	5	0.250	1	0.050	5	0.727	2	0.967	6	0.771
1967	21	0.350	5	0.542	1	0.133	5	0.222	2	0.360	6	0.352
1968	18	0.250	3	0.435	1	0.050	4	0.129	2	0.633	6	0.206
1969	21	0.434	5	0.216	1	0.017	5	0.382	2	1.000	6	0.582
1970	15	0.448	5	0.453	1	0.067	2	0.518	0		5	0.433
1971	6	0.097	3	0.045	0		1	0.077	0		1	0.167
1972	9	0.251	3	0.257	0		2	0.397	0		2	0.142
1973	7	0.252	1	0.229	0		1	0.154	0		3	0.352
1974	8	0.094	1	0.143	0		4	0.058	2	0.076	0	
1975	22	0.347	6	0.640	1	0.100	5	0.192	2	0.283	6	0.296
1976	21	0.234	6	0.388	1	0.100	5	0.126	1	0.250	6	0.214
1977	22	0.224	7	0.476	1	0.133	4	0.097	2	0.096	6	0.116
1978	21	0.267	7	0.554	1	0.100	3	0.054	2	0.068	6	0.154
1979	18	0.123	2	0.471	1	0.120	5	0.038	2	0.048	6	0.128
1980	19	0.178	4	0.555	1	0.133	6	0.104	1	0.010	5	0.055
1981	23	0.152	6	0.164	2	0.525	6	0.117	2	0.122	5	0.095
1982	23	0.105	6	0.181	1	0.053	6	0.079	2	0.027	6	0.069
1983	24	0.102	7	0.196	1	0.133	6	0.055	2	0.029	6	0.062
1984	22	0.124	6	0.269	1	0.053	5	0.045	2	0.265	6	0.033
1985	18	0.104	6	0.194	0		4	0.028	1	0.025	5	0.045
1986	22	0.142	9	0.283	1	0.018	2	0.033	2	0.036	6	0.045
1987	27	0.177	9	0.423	2	0.093	6	0.051	2	0.042	6	0.052
1988	24	0.116	9	0.254	0		5	0.019	2	0.061	6	0.022
1989	26	0.098	8	0.185	2	0.179	6	0.036	2	0.038	6	0.040
1990	24	0.083	7	0.175	2	0.176	5	0.034	2	0.023	6	0.028
1991	28	0.104	10	0.211	2	0.133	6	0.029	2	0.027	6	0.036
1992	27	0.126	9	0.261	2	0.090	6	0.085	2	0.020	6	0.025
1993	27	0.089	10	0.163	2	0.176	6	0.029	2	0.063	5	0.019
1994	19	0.072	7	0.111	2	0.093	5	0.031	1	0.003	2	0.003
1995	19	0.080	6	0.196	1	0.117	5	0.029	2	0.033	3	0.004
1996	22	0.075	8	0.122	2	0.194	6	0.021	2	0.019	2	0.006
1997	23	0.092	8	0.220	2	0.054	5	0.046	1	0.047	5	0.003
1998	26	0.164	9	0.283	2	0.278	6	0.134	1	0.047	6	0.013
1999	20	0.251	9	0.401	2	0.400	6	0.081	0		1	0.007
2000	22	0.079	10	0.103	1	0.080	6	0.065	0		3	0.014

Table 9. Pearson Correlation Matrix of Area 1 Stream Escapement Indices using Systat™ Software and Paired Frequency Matrix Showing Numbers of Paired Values used in Analysis.

Pearson Correlation Matrix of Area 1 Stream Indices Using Systat™ Software.

STREAM AGGREGATE	STREAM NAME	Variable	Masset		Naden			
			Datlamen	Mamin	Davidson	Lignite	Naden	Stanley
			VAR1	VAR2	VAR3	VAR4	VAR5	VAR6
Masset	DATLAMEN	VAR1	1					
	MAMIN	VAR2	0.484	1				
Naden	DAVIDSON	VAR3	0.422	0.547	1			
	LIGNITE	VAR4	0.455	0.381	0.735	1		
	NADEN	VAR5	0.399	0.434	0.973	0.78	1	
	STANLEY	VAR6	0.455	0.494	0.876	0.871	0.91	1

Pariwise Frequency Matrix Showing Numtbers of Paried Values Used in Analysis.

	VAR1	VAR2	VAR3	VAR4	VAR5	VAR6
VAR1						
VAR2	34					
VAR3	21	20				
VAR4	31	32	20			
VAR5	36	36	21	34		
VAR6	19	19	18	19	19	

Table 10. Pearson Correlation Matrix of Area 2 West Stream Escapement Indices using Systat™ Software and Paired Frequency Matrix Showing Numbers of Paired Values used in

Pearson Correlation Matrix of Area 2 West Stream Indices Using Systat™ Software.

STREAM AGGREGATE	STREAM NAME		ATHLO OTARD	ENGLEFIELD BAY							RENN SND	TASU				WEST SKIDEGATE					
			VAR1	VAR2	VAR3	VAR4	VAR5	VAR6	VAR7	VAR8	VAR9	VAR10	VAR11	VAR12	VAR13	VAR14	VAR15	VAR16	VAR17	VAR18	VAR19
ATHLO - OTARD	MACE CREEK	VAR1	1																		
ENGLEFIELD BAY	BOOMCHAIN BAY CREEK	VAR2	-0.25	1																	
	INSKIP CREEK	VAR3	1.00	0.69	1																
	KAISUN CREEK	VAR4	0.66	0.16	0.97	1															
	PEEL INLET CR. - HEAD	VAR5	-0.03	-0.04	-0.05	0.49	1														
	PEEL INLET CR.- L/H#2	VAR6	0.36	0.47	0.91	0.74	0.67	1													
	SECURITY IN. CR.- L/H	VAR7	-0.04	0.80	0.89	0.48	0.67	0.64	1												
	SECURITY IN. CR.- R/H	VAR8	-0.10	0.59	0.89	0.59	0.14	0.02	0.94	1											
RENNELL SOUND	SEAL INLET CREEK	VAR9	0.25	0.75	0.70	0.81	0.23	0.74	0.09	0.01	1										
TASU	BOTANY IN. CR. - HEAD	VAR10	0.24	-0.16	0.83	0.08	0.11	0.26	0.84	0.86	-0.07	1									
	BOTANY IN. CR.- OUTER	VAR11	-0.61	-0.09	0.67	0.00	0.39	0.15	-0.12	-0.15	-0.33	-0.06	1								
	FAIRFAX INLET CREEK	VAR12	0.92	-0.28	0.98	0.55	-0.03	0.13	0.51	0.53	0.21	0.72	0.31	1							
	FLAT CREEK	VAR13	0.02	-0.29	-0.17	-0.10	-0.07	-0.17	0.69	0.47	0.20	0.47	0.30	0.01	1						
WEST SKIDEGATE	BROWNS CABIN CREEK	VAR14	0.35	-0.04	0.72	0.53	0.27	0.19	0.95	0.85	0.02	0.85	0.20	0.69	0.26	1					
	CANOE PASS CREEK	VAR15	0.92	0.34	0.99	0.81	0.17	0.59	-0.18	0.30	0.73	0.05	0.70	0.51	-0.26	0.17	1				
	DAWSON HARBOUR CREEK	VAR16	0.09	0.43	0.61	0.45	0.67	0.95	0.45	0.02	0.47	0.02	-0.08	-0.04	0.12	0.11	-0.04	1			
	DAWSON INLET CREEK	VAR17	0.25	0.59	0.61	0.46	0.31	0.73	0.83	0.83	0.42	0.81	-0.33	0.49	-0.23	0.82	0.52	0.61	1		
	NORTH ARM CR. - HEAD	VAR18	-0.05	0.31	0.23	0.79	0.10	0.05	0.94	1.00	-0.03	0.68	0.07	0.53	0.20	0.62	0.52	0.31	0.73	1	
	WEST NARROWS CREEK	VAR19	0.91	-0.32	0.54	0.06	-0.06	0.08	-0.27	-0.14	0.13	0.92	-0.13	0.44	0.08	0.83	-0.07	-0.06	0.71	0.50	1

Pariwise Frequency Matrix Showing Numbers of Paried Values Used in Analysis.

	VAR1	VAR2	VAR3	VAR4	VAR5	VAR6	VAR7	VAR8	VAR9	VAR10	VAR11	VAR12	VAR13	VAR14	VAR15	VAR16	VAR17	VAR18	VAR19
VAR1																			
VAR2	6																		
VAR3	6	5																	
VAR4	11	10	7																
VAR5	15	13	10	20															
VAR6	11	12	9	16	25														
VAR7	11	11	7	16	22	17													
VAR8	13	13	8	19	24	18	24												
VAR9	12	9	6	14	18	14	16	17											
VAR10	8	11	9	13	24	21	20	20	15										
VAR11	9	11	7	14	22	18	16	16	11	22									
VAR12	14	10	11	17	27	23	24	23	20	28	23								
VAR13	11	11	9	15	24	20	23	20	17	26	21	31							
VAR14	13	14	9	19	27	22	18	23	19	25	22	27	24						
VAR15	5	11	3	10	11	10	8	10	9	7	7	8	8	15					
VAR16	14	15	9	20	29	21	20	23	19	24	22	26	26	31	15				
VAR17	11	14	9	17	21	18	20	21	13	20	17	20	20	24	11	24			
VAR18	14	15	8	19	29	23	22	24	21	24	20	28	27	31	15	31	23		
VAR19	9	7	8	13	18	14	10	12	12	14	14	20	15	18	8	20	12	19	

Table 11. Pearson Correlation Matrix of Area 2 East Stream Escapement Indices using Systat™ Software and Paired Frequency Matrix Showing Numbers of Paired Values used in Analysis.

Pearson Correlation Matrix of Area 2 East Stream Indices Using Systat™ Software.

STREAM AGGREGATE	STREAM NAME	Variable	COPP VAR1	CUMSHEWA VAR2	CUMSHEWA VAR3	DAR VAR4	JUAN PEREZ VAR5	JUAN PEREZ VAR6	SELWYN VAR7	SELWYN VAR8	SELWYN VAR9	SELWYN VAR10	SELWYN VAR11	SELWYN VAR12	SKIDEGATE VAR13	SKIDEGATE VAR14	SKIDEGATE VAR15	SKIDEGATE VAR16	SKIDEGATE VAR17	SKIDEGATE VAR18	SKIDEGATE VAR19	SKIDEGATE VAR20	SKIDEGATE VAR21	SKIDEGATE VAR22	SKINCUTTLE&SOUTH VAR23	SKINCUTTLE&SOUTH VAR24	SKINCUTTLE&SOUTH VAR25	SKINCUTTLE&SOUTH VAR26	SKINCUTTLE&SOUTH VAR27	SKINCUTTLE&SOUTH VAR28	TLELL VAR29
COPPER	Copper	VAR1	1																												
CUMSHEWA	Aero	VAR2	0.29	1																											
	Chadsey	VAR3	0.31	0.49	1																										
DARWIN	Crescent Inlet	VAR4	0.43	0.71	0.07	1																									
JUAN PEREZ	Matheson LH	VAR5	0.51	0.84	-0.11	0.60	1																								
	Matheson RH	VAR6	0.64	0.67	0.12	0.58	0.80	1																							
SELWYN	Big Goose	VAR7	0.53	0.43	0.73	0.39	0.53	0.50	1																						
	Dana #1	VAR8	0.65	0.45	0.52	0.64	0.64	0.53	0.77	1																					
	Lagoon	VAR9	0.51	0.69	0.17	0.76	0.60	0.62	0.55	0.68	1																				
	Little Goose	VAR10	0.27	0.19	0.01	0.18	0.57	0.44	0.05	0.08	0.19	1																			
	Pacofi	VAR11	0.72	0.08	-0.02	0.58	0.71	0.82	0.39	0.51	0.63	0.54	1																		
	Sewell In. LH	VAR12	0.29	0.83	0.06	0.15	0.43	0.37	0.24	0.14	0.34	-0.08	0.29	1																	
SKIDEGATE	Agnes	VAR13	-0.20	-0.13	-0.27	0.33	-0.01	-0.33	-0.27	0.47	0.18	-0.27	0.09	-0.33	1																
	Crabapple	VAR14	0.14	0.34	0.32	0.03	-0.04	0.66	0.05	0.18	-0.02	0.19	0.00	0.07	0.11	1															
	Deena	VAR15	0.16	0.70	-0.14	0.40	0.40	0.18	0.10	0.03	0.19	0.07	0.05	0.16	0.18	0.50	1														
	Indian Cabin	VAR16	0.32	0.01	0.05	0.18	0.22	0.34	0.14	0.21	0.26	0.13	0.33	0.22	-0.04	-0.13	0.42	1													
	Lagins	VAR17	-0.27	0.00	-0.29	-0.14	-0.14	-0.42	-0.37	-0.38	-0.30	-0.24	-0.22	-0.40	0.00	0.01	0.18	0.33	1												
	Mud Bay	VAR18	0.70	-0.20	0.47	0.32	0.02	0.14	0.26	-0.02	0.14	-0.10	-0.06	-0.33	-0.05	0.30	0.32	0.56	0.21	1											
	Outlook	VAR19	0.73	0.11	0.64	0.59	0.49	0.43	0.59	0.86	0.47	0.21	0.33	0.30	0.09	-0.12	0.62	0.78	0.07	0.93	1										
	Saltspring	VAR20	0.44	0.45	0.07	0.39	0.54	0.50	0.29	0.46	0.27	0.19	0.38	-0.01	-0.30	0.02	0.65	0.79	-0.01	0.92	0.94	1									
	Slatechuck	VAR21	0.11	0.17	-0.12	0.35	0.11	0.07	0.02	-0.11	0.10	-0.09	-0.06	-0.27	0.27	0.39	0.73	0.52	0.30	0.54	0.64	0.64	1								
	Two Torrent	VAR22	0.67	0.21	0.06	0.59	-0.43	0.10	0.36	0.69	0.45	0.28	0.77	0.16	0.61	0.08	0.23	0.73	0.46	-0.08	-0.07	0.41	0.58	1							
SKINCUTTLE	Bag Harbour	VAR23	0.37	-0.04	0.16	0.49	0.50	0.57	0.49	0.25	0.38	0.24	0.54	0.33	0.21	0.54	0.80	0.26	-0.09	0.66	0.53	0.67	0.52	0.54	1						
	George Bay	VAR24	0.70	0.75	-0.11	0.47	0.63	0.70	0.36	0.47	0.51	0.14	0.83	0.08	0.49	0.05	0.53	0.28	-0.02	0.27	0.45	0.60	0.36	0.63	0.67	1					
	Harriet	VAR25	0.59	0.21	0.49	0.40	0.44	0.45	0.77	0.74	0.48	0.10	0.22	0.18	0.19	-0.13	0.21	0.13	-0.29	0.72	0.79	0.66	0.28	0.52	0.40	0.46	1				
	Ikeda	VAR26	0.60	0.65	-0.11	0.76	0.72	0.87	0.35	0.53	0.80	0.57	0.88	0.31	0.79	-0.22	0.05	0.21	-0.43	0.78	0.88	0.29	-0.08	0.57	0.33	0.68	0.35	1			
	Sedmond	VAR27	0.61	0.80	-0.02	0.52	0.70	0.78	0.40	0.46	0.71	0.46	0.73	0.78	-0.12	0.43	0.19	0.36	-0.35	0.81	0.77	0.44	0.18	0.01	0.44	0.62	0.47	0.86	1		
	Slim Inlet	VAR28	0.61	0.63	-0.09	0.66	0.67	0.76	0.44	0.52	0.65	0.29	0.84	0.56	0.17	-0.82	0.41	0.20	-0.23	0.27	0.65	0.51	0.21	0.43	0.60	0.80	0.33	0.83	0.75	1	
TLELL	Tlell	VAR29	0.21	0.18	0.09	0.11	0.34	0.20	0.06	0.36	0.03	0.39	0.14	0.11	-0.31	0.11	0.33	0.29	-0.14	0.24	0.59	0.68	0.31	-0.09	0.38	0.23	0.25	0.07	0.28	0.30	1

Pairwise Frequency Matrix Showing Numbers of Paried Values Used in Analysis.

	VAR1	VAR2	VAR3	VAR4	VAR5	VAR6	VAR7	VAR8	VAR9	VAR10	VAR11	VAR12	VAR13	VAR14	VAR15	VAR16	VAR17	VAR18	VAR19	VAR20	VAR21	VAR22	VAR23	VAR24	VAR25	VAR26	VAR27	VAR28	VAR29
VAR1																													
VAR2	12																												
VAR3	39	12																											
VAR4	50	12	39																										
VAR5	33	8	26	33																									
VAR6	38	11	32	38	29																								
VAR7	42	12	37	42	30	36																							
VAR8	32	11	27	32	22	27	30																						
VAR9	51	12	39	50	33	38	42	32																					
VAR10	41	11	33	41	27	33	35	29	41																				
VAR11	37	12	34	37	25	31	35	27	37	32																			
VAR12	26	11	22	26	19	20	24	19	26	22	22																		
VAR13	12	8	11	12	9	10	12	10	12	10	10	11																	
VAR14	10	7	9	10	6	8	10	8	10	9	8	9	9																
VAR15	51	12	39	50	33	38	42	32	51	41	37	26	12	10															
VAR16	34	12	31	33	23	27	33	26	34	28	29	21	11	10	34														
VAR17	44	12	37	43	28	33	38	30	44	36	35	24	12	10	44	34													
VAR18	15	8	14	15	12	14	15	12	15	13	13	10	8	7	15	15	15												
VAR19	23	10	21	23	18	18	22	16	23	18	20	17	10	9	23	22	23	13											
VAR20	32	10	27	32	22	25	29	22	32	27	23	20	11	9	32	26	30	12	16										
VAR21	41	12	36	41	26	32	37	28	41	35	33	23	12	10	41	33	40	15	23	29									
VAR22	11	9	11	11	6	9	11	9	11	11	11	10	8	8	11	10	11	7	8	10	11								
VAR23	44	9	34	43	28	34	36	28	44	37	31	20	12	9	44	29	38	13	18	29	35	9							
VAR24	47	11	38	47	32	37	40	31	47	39	35	24	11	9	47	32	41	15	22	31	39	10	41						
VAR25	33	9	29	33	27	28	31	23	33	27	26	19	9	8	33	28	31	12	19	22	29	6	29	33					
VAR26	29	8	24	29	24	25	26	21	29	23	22	19	8	7	29	24	27	11	17	22	25	5	25	29	26				
VAR27	42	10	34	42	31	34	36	28	42	35	32	23	10	8	42	29	38	13	21	29	35	8	36	42	31	28			
VAR28	44	9	35	44	30	34	37	29	44	37	32	22	10	9	44	30	39	13	21	29	37	7	39	43	33	28	40		
VAR29	50	12	39	49	32	37	41	32	50	41	36	25	12	10	50	34	44	15	23	32	41	11	44	47	33	29	42	44	

Table 12. Area 2 West Annual Coho Escapement Data, 1950 to 2000.

SUBAREA	STREAM NAME	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
ATHLO - OTARD	MACE CREEK		400	1500			25						250		25	1500		25			20
ENGLEFIELD BAY	BOOMCHAIN BAY CREEK				25	200			25												
ENGLEFIELD BAY	INSKIP CREEK														25	1500		75	200		
ENGLEFIELD BAY	KAISUN CREEK	500	400	200			200	25		25						400					
ENGLEFIELD BAY	PEEL INLET CR. - HEAD	150	750	2	25		25				75		30			75		200	100	200	
ENGLEFIELD BAY	PEEL INLET CR. - L/H#2		750		25								10			200		75	100	100	
ENGLEFIELD BAY	SECURITY IN. CR. - L/H				25		25				75	1500	250					3500			400
ENGLEFIELD BAY	SECURITY IN. CR. - R/H		75	75	75		75			25	25	300						3500			350
RENNELL SOUND	SEAL INLET CREEK	1000	750	200	200			25				150	250			400	25	200			80
TASU	BOTANY IN. CR. - HEAD				75												400	750	700	500	300
TASU	BOTANY IN. CR. - OUTER																			30	25
TASU	FAIRFAX INLET CREEK		200							400	400	250	350		400	3500	750	750	1000	150	700
TASU	FLAT CREEK				4	25	25					1100	1200	200		75	200		100	300	200
WEST SKIDEGATE	BROWNS CABIN CREEK	200	400	750		400		200	1500									1500	1000	500	500
WEST SKIDEGATE	CANOE PASS CREEK	100	25		25	400		25	25												
WEST SKIDEGATE	DAWSON HARBOUR CREEK	50	7500	200	25	200	200		200							200			50		200
WEST SKIDEGATE	DAWSON INLET CREEK					200	200		200									400	200		100
WEST SKIDEGATE	NORTH ARM CR. - HEAD	200	200	200	25	200	200		200			300	250				1500	3500	200	250	
WEST SKIDEGATE	WEST NARROWS CREEK	25	25							400					75	200			300		

SUBAREA	STREAM NAME	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
ATHLO - OTARD	MACE CREEK													50					50		
ENGLEFIELD BAY	BOOMCHAIN BAY CREEK																	12	8	25	25
ENGLEFIELD BAY	INSKIP CREEK																			30	2
ENGLEFIELD BAY	KAISUN CREEK	300														8	12		110	70	100
ENGLEFIELD BAY	PEEL INLET CR. - HEAD							40	200	50	120	100	750	120		138	55	88	100	80	90
ENGLEFIELD BAY	PEEL INLET CR. - L/H#2	50									200	150	75			4	2	18	33	20	16
ENGLEFIELD BAY	SECURITY IN. CR. - L/H	300	100	400	100			400		1						21	30	35	130	30	130
ENGLEFIELD BAY	SECURITY IN. CR. - R/H	200		300	100			158	50								60	55	50	10	16
RENNELL SOUND	SEAL INLET CREEK		20	50			25						20				100		50		50
TASU	BOTANY IN. CR. - HEAD	100	25	150	30				15	140	100	40	117	21	24	62	70	400		100	45
TASU	BOTANY IN. CR. - OUTER									10	75	25	96	4	51	62	10	10		150	12
TASU	FAIRFAX INLET CREEK	75	1	100	25		25			14	25	150	350	150	400	350	300	400		350	70
TASU	FLAT CREEK	100	20	100	6		25			85	75	35		5	40	60	40	60		200	50
WEST SKIDEGATE	BROWNS CABIN CREEK	200		500		30	32		25		25	125	500	125	50		28	20	185	100	145
WEST SKIDEGATE	CANOE PASS CREEK					15	4											9	8	13	1
WEST SKIDEGATE	DAWSON HARBOUR CREEK			150		20	32		200	12		6	45	40	10	22	6	45	80	110	50
WEST SKIDEGATE	DAWSON INLET CREEK	100	50			10			25							12	24	70	15	8	8
WEST SKIDEGATE	NORTH ARM CR. - HEAD	100		100		10	57	50				125	90	125	50	80	50	120	20	75	24
WEST SKIDEGATE	WEST NARROWS CREEK						30					4	40	40	40	15	12	80	15	10	28

SUBAREA	STREAM NAME	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ATHLO - OTARD	MACE CREEK	2		5		10		1	10	8		40
ENGLEFIELD BAY	BOOMCHAIN BAY CREEK	10	50			15	30	10		400	80	25
ENGLEFIELD BAY	INSKIP CREEK	6	30	4	10			8				
ENGLEFIELD BAY	KAISUN CREEK		70	25	20	30	12	102	4	86	120	26
ENGLEFIELD BAY	PEEL INLET CR. - HEAD	130	25	80	20	90	70	74	22	80	80	74
ENGLEFIELD BAY	PEEL INLET CR. - L/H#2	40		3	14	15	6	54		54	12	24
ENGLEFIELD BAY	SECURITY IN. CR. - L/H		150	132	90	125	15	10	75	300		100
ENGLEFIELD BAY	SECURITY IN. CR. - R/H	6	20	10	45	15	55	24	50	100	110	40
RENNELL SOUND	SEAL INLET CREEK	100	12			30	300	320	50	550		
TASU	BOTANY IN. CR. - HEAD	40	10	105	150	110	18	55		50	100	
TASU	BOTANY IN. CR. - OUTER	35	35	35	60	35	26	6	12	20	30	3
TASU	FAIRFAX INLET CREEK	300	250	500	210	50	30	14	2	25		15
TASU	FLAT CREEK	66	40	200	90	300	63	100	8			50
WEST SKIDEGATE	BROWNS CABIN CREEK	50	30	80	40	14	42	29	6	39	100	10
WEST SKIDEGATE	CANOE PASS CREEK							2		10	4	2
WEST SKIDEGATE	DAWSON HARBOUR CREEK	20	100	45	110	52	35	180	24	214	75	300
WEST SKIDEGATE	DAWSON INLET CREEK	11	5	10	40	12	50	40	20	176	20	120
WEST SKIDEGATE	NORTH ARM CR. - HEAD	35	10	24		5	22	26	20	74	120	30
WEST SKIDEGATE	WEST NARROWS CREEK	25	15	1					8	10		

Table 13. Review of BC16 Records Highlighting Indications of Potential Errors in Escapement Values.

1.

Stream Name	Year	Escapement Letter Code and Value assigned	Run Size Description	Comments
Dawson Harbour Creek	1950	(A) 50	Light	
Dawson Harbour Creek	1951	**(H) 7,500**	Heavy	
Dawson Harbour Creek	1952	(C) 200	Light	
Dawson Harbour Creek	1953	(A) 25	Light	
Dawson Harbour Creek	1954	(C) 200	Light	**"Brood Year = (A), Light"**

Other Comments:

1. Highest escapement value in 51 year time series, next highest value is 300 recorded for year 2000. The 1951 value is 25 times higher than the next highest value in the time series.
2. 1954 comment regarding brood year escapement (1951) indicates that the value recorded for 1951 may be incorrect.

2.

Stream Name	Year	Escapement Letter Code and Value assigned	Run Size Description	Comments
Fairfax Inlet Creek	1961	(D) 200	Medium	
Fairfax Inlet Creek	1962	No data		
Fairfax Inlet Creek	1963	(D) 400	Light	
Fairfax Inlet Creek	1964	**(G) 3,500**	**Light**	
Fairfax Inlet Creek	1965	(E) 750	Light	
Fairfax Inlet Creek	1966	(E) 750	Light	
Fairfax Inlet Creek	1967	(E) 1,000	Medium	"Brood Year = (G)"

Other Comments:

1. Highest escapement value in 51 year time series, next highest value is 1,000 recorded for 1967. The 1964 value is 3.5 times higher than the next highest value.
2. 1964 comment on run size is "Light", indicating that the assigned run size letter code may be incorrect.
3. Although 1967 comments indicate that the brood escapement letter code was "(G)", there does appear some uncertainty over the 1964 escapement value.

3.

Stream Name	Year	Escapement Letter Code and Value assigned	Run Size Description	Comments
North Arm Creek - Head	1963	No data		
North Arm Creek - Head	1964	No data		
North Arm Creek - Head	1965	(F) 1,500	Medium	
North Arm Creek - Head	1966	**(G) 3,500**	**Medium**	
North Arm Creek - Head	1967	(C) 200	Light	
North Arm Creek - Head	1968	(C) 250	Light	
North Arm Creek - Head	1969	None observed		"Brood Year = (G)"

Other Comments:

1. Highest escapement value in 51 year time series, next highest value is 1,500 recorded for 1965. The 1964 value is 2.3 times higher than the next highest value.
2. The 1966 comment on run size is "Medium", which would be incorrect for a run size of 3,500 for a stream which is approximately 2.5 kilometers in length. The Run size description should have been "heavy".

Table 13 cont. Review of BC16 Records Highlighting Indications of Potential Errors in Escapement Values.

4.

Stream Name	Year	Escapement Letter Code and Value assigned	Run Size Description	Comments
Security Inlet - Left Hand	1960	(F) 1,500	Heavy	
Security Inlet - Left Hand	1961	(C) 250	Medium	
Security Inlet - Left Hand	1962	No data		
Security Inlet - Left Hand	1963	No data		
Security Inlet - Left Hand	1964	No data		
Security Inlet - Left Hand	1965	No data		
Security Inlet - Left Hand	1966	**(G) 3,500**	**Medium**	"An excellent seeding"
Security Inlet - Left Hand	1967	No data		
Security Inlet - Left Hand	1968	No data		
Security Inlet - Left Hand	1969	(D) 400	Light	"Brood Year = (G)"

Other Comments:

1. Highest escapement value in 51 year time series, next highest value is 1,500 recorded for 1960. The 1966 value is 2.3 times higher than the next highest value.
2. The 1966 comment on run size is "Medium", which would be incorrect for a run size of 3,500 for a stream which is approximately 5 kilometers in length. The Run size description should have been "heavy".
3. The 1966 comment of "an excellent seeding" and the brood year value of "(G)" noted in 1969 does tend to support that an "excellent" coho escapement did occur, however the "medium" run size description in 1966 does cause some uncertainty over the accuracy of the value recorded in 1966.

5.

Stream Name	Year	Escapement Letter Code and Value assigned	Run Size Description	Comments
Security Inlet - Right Hand	1960	(C) 300	Medium	
Security Inlet - Right Hand	1961	No data		
Security Inlet - Right Hand	1962	No data		
Security Inlet - Right Hand	1963	No data		
Security Inlet - Right Hand	1964	No data		
Security Inlet - Right Hand	1965	No data		
Security Inlet - Right Hand	1966	**(G) 3,500**	**Medium**	"An excellent seeding"
Security Inlet - Right Hand	1967	No data		
Security Inlet - Right Hand	1968	No data		
Security Inlet - Right Hand	1969	(C) 350	Light	"Brood Year = (G)"

Other Comments:

1. Highest escapement value in 51 year time series, next highest value is 350 recorded for 1960. The 1966 value is 10 times higher than the next highest value.
2. The 1966 comment on run size is "Medium", which would be incorrect for a run size of 3,500 for a stream which is approximately 4 kilometers in length. The Run size description should have been "heavy".
3. The 1966 comment of "an excellent seeding" and the brood year value of "(G)" noted in 1969 does tend to support that an "excellent" coho escapement did occur, however the "medium" run size description in 1966 does cause some uncertainty over the accuracy of the value recorded in 1966.

Table 14. Comparison of Escapement Index Values (p_{max}): Original Data vs. 'Corrected' Values.

Year	2 West (original data)	2 West ('corrected' data)	Englefield Bay (original data)	Englefield Bay ('corrected' data)	West Skidegate (original data)	West Skidegate ('corrected' data)	Tasu (original data)	Tasu ('corrected' data)
1950	.339	.368	.600	.600	.102	.149		
1951	.445	.432	.705	.754	.290	.131	.057	.200
1952	.276	.390	.141	.206	.195	.433		
1953	.049	.075	.032	.072	.024	.054	.052	.052
1955	.120	.222	.115	.166	.195	.433	.021	.021
1956	.068	.068	.050	.050	.098	.098		
1957	.285	.404	.063	.063	.329	.473		
1959	.061	.155	.043	.074			.114	.400
1960	.290	.562	.257	.929	.086	.200	.494	.583
1961	.214	.269	.042	.073	.071	.167	.550	.675
1963	.084	.155	.017	.017	.188	.188	.114	.400
1964	.516	.533	.542	.542	.263	.583	.531	.063
1965	.274	.495			.429	1.000	.305	.483
1967	.335	.421	.133	.133	.396	.443	.434	.672
1968	.246	.271	.200	.200	.202	.250	.290	.317
1969	.166	.366	.107	.633	.203	.417	.233	.358
1970	.146	.218	.202	.360	.137	.150	.079	.097
1971	.037	.044	.029	.067	.125	.125	.017	.017
1972	.105	.273	.100	.562	.127	.300	.104	.128
1973	.022	.084	.029	.176			.017	.023
1974	.018	.031			.018	.031		
1975	.022	.040			.025	.050	.014	.023
1976	.057	.201	.071	.257	.014	.033		
1977	.068	.196	.140	.205	.035	.249	.020	.020
1978	.057	.064	.033	.034	.002	.040	.082	.085
1979	.164	.166	.213	.213	.017	.017	.176	.180
1980	.076	.093	.167	.167	.032	.049	.073	.100
1981	.248	.291	.550	.550	.116	.161	.299	.382
1982	.052	.080	.160	.160	.056	.100	.025	.052
1983	.084	.126			.037	.050	.130	.201
1984	.079	.109	.053	.055	.023	.049	.162	.224
1985	.042	.070	.025	.058	.025	.032	.070	.123
1986	.094	.136	.039	.070	.075	.107	.191	.263
1987	.056	.088	.078	.108	.039	.083		
1988	.115	.154	.052	.058	.030	.093	.350	.413
1989	.050	.067	.064	.077	.034	.062	.050	.063
1990	.058	.077	.051	.055	.027	.043	.107	.160
1991	.051	.089	.061	.079	.017	.082	.088	.133
1992	.061	.098	.034	.047	.019	.049	.171	.260
1993	.077	.128	.022	.047	.047	.164	.184	.221
1994	.063	.081	.046	.061	.012	.054	.161	.170
1995	.063	.082	.037	.061	.041	.071	.065	.070
1996	.061	.097	.059	.069	.031	.148	.050	.053
1997	.021	.039	.018	.058	.017	.033	.029	.030
1998	.164	.229	.244	.306	.094	.213	.069	.075
1999	.092	.139	.119	.175	.034	.091	.167	.167
2000	.049	.124	.048	.071	.072	.266	.022	.026

Table 15. Comparison of Haida Fisheries Program (H.F.P.) AUC Coho Escapement Estimates vs. D.F.O. Annual Escapement Estimates.

	(2 East - Skidegate Inlet)		(2 East - Skidegate Inlet)		(Area 1 - Masset Inlet)		(2 West - Rennell Sound)	
	Deena River		**Honna River**		**Datlamen Creek**		**Riley Creek**	
YEAR	H.F.P. AUC	D.F.O.	H.F.P. AUC	D.F.O.	H.F.P. AUC	D.F.O.	H.F.P. AUC	D.F.O.
1995	9,824	2,500						
1997	1,392	3,500						
1998	1,883	4,416						
1999	8,930	7,000	4,016	1,000	1,517	1,000		
2000	2,597	2,600	763	600	2,033	1,250	649	800

Table 16. Daily Cumulative Proportions of McClinton Creek Coho Fence Counts and Mean Daily Cumulative Proportions for the Years 1931, 1934 and 1936.

			01-Sep	02-Sep	03-Sep	04-Sep	05-Sep	06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep
MCCLINTON	1936	cumulative	.01	.01	.02	.02	.02	.02	.03	.06	.06	.08	.10	.13	.14	.17	.18	.36
MCCLINTON	1934	cumulative	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02	.04	.05	.08
MCCLINTON	1931	cumulative	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Mean (1931,34,36)			0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.14

			17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct
MCCLINTON	1936	cumulative	.39	.45	.47	.53	.55	.63	.75	.85	.90	.93	1.00	1.00	1.00	1.00	1.00	1.00
MCCLINTON	1934	cumulative	.10	.13	.15	.21	.26	.27	.28	.29	.29	.31	.35	.39	.40	.48	.58	.64
MCCLINTON	1931	cumulative	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.07	.09	.18	.29	.50
Mean (1931,34,36)			0.16	0.19	0.21	0.25	0.27	0.30	0.35	0.38	0.40	0.42	0.46	0.49	0.49	0.55	0.62	0.71

			03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct
MCCLINTON	1936	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MCCLINTON	1934	cumulative	.71	.79	.85	.91	.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MCCLINTON	1931	cumulative	.60	.67	.67	.67	.69	.76	.78	.79	.96	.96	.99	.99	.99	1.00
Mean (1931,34,36)			0.77	0.82	0.84	0.86	0.88	0.92	0.93	0.93	0.99	0.99	1.00	1.00	1.00	1.00

Table 17. Daily Cumulative Proportions of Chown Creek Coho Fence Counts and Mean Daily Cumulative Proportions for the Years 1992, 1994, 1996 to 1998 and 2000.

			15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct
Chown	2000	cumulative																	0.00	0.00	0.00	0.00	0.00	0.00
Chown	1998	cumulative						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chown	1997	cumulative							0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.05	0.06	0.06	0.06	0.06	0.06
Chown	1996	cumulative			0.01	0.01	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Chown	1994	cumulative																	0.00	0.00	0.00	0.00	0.00	0.00
Chown	1992	cumulative										0.00	0.00	0.03	0.03	0.05	0.07	0.07	0.09	0.09	0.09	0.09	0.09	0.09
Mean (1992 to 2000)					0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03

			07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct
Chown	2000	cumulative	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.14	0.15	0.16	0.18	0.18	0.18	0.18	0.18	0.26
Chown	1998	cumulative	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.07	0.07	0.13	0.16	0.19	0.22	0.25	0.27	0.29	0.32
Chown	1997	cumulative	0.07	0.10	0.10	0.11	0.11	0.11	0.14	0.16	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.31	0.31	0.31
Chown	1996	cumulative	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.30	0.31	0.32	0.33	0.33	0.33	0.33
Chown	1994	cumulative	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.14	0.17	0.20	0.20	0.27	0.33
Chown	1992	cumulative	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.12	0.13	0.14	0.15	0.19	0.19	0.19	0.19	0.23
Mean (1992 to 2000)			0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.10	0.10	0.10	0.11	0.12	0.14	0.16	0.18	0.21	0.22	0.24	0.25	0.26	0.30

			29-Oct	30-Oct	31-Oct	01-Nov	02-Nov	03-Nov	04-Nov	05-Nov	06-Nov	07-Nov	08-Nov	09-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov
Chown	2000	cumulative	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.41
Chown	1998	cumulative	0.34	0.36	0.38	0.38	0.38	0.38	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.42	0.42	0.44	0.44
Chown	1997	cumulative	0.34	0.43	0.43	0.45	0.47	0.49	0.49	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Chown	1996	cumulative	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.37	0.51	0.55	0.66	0.74	0.81	0.81	0.81	0.81	0.81	0.81
Chown	1994	cumulative	0.35	0.35	0.36	0.38	0.56	0.67	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Chown	1992	cumulative	0.27	0.27	0.27	0.29	0.29	0.29	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.36	0.36	0.36	0.36	0.36	0.36	0.56
Mean (1992 to 2000)			0.33	0.35	0.36	0.37	0.40	0.43	0.43	0.44	0.44	0.44	0.44	0.45	0.47	0.48	0.50	0.52	0.53	0.53	0.53	0.53	0.54	0.57

			20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	01-Dec	02-Dec	03-Dec	04-Dec	05-Dec	06-Dec	07-Dec	08-Dec	09-Dec	10-Dec	11-Dec
Chown	2000	cumulative	0.41	0.41	0.41	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chown	1998	cumulative	0.50	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.72	0.88	0.94	0.97	0.98	0.98	0.98	0.99	0.99	0.99	1.00	1.00
Chown	1997	cumulative	0.53	0.53	0.53	0.53	0.62	0.63	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.75	0.86	0.91	0.91	0.95
Chown	1996	cumulative	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.83	0.83	0.83	0.83	0.83	0.83	0.86	0.88	0.95	0.99	0.99	0.99	0.99	0.99	0.99
Chown	1994	cumulative	0.69	0.69	0.69	0.69	0.69	0.72	0.77	0.80	0.81	0.81	0.81	0.83	0.86	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.93	0.93
Chown	1992	cumulative	0.59	0.65	0.65	0.65	0.69	0.69	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean (1992 to 2000)			0.59	0.61	0.61	0.71	0.73	0.74	0.77	0.81	0.81	0.81	0.84	0.86	0.89	0.90	0.91	0.92	0.92	0.94	0.96	0.96	0.97	0.98

			12-Dec	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	22-Dec	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec	28-Dec	29-Dec	30-Dec
Chown	2000	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chown	1998	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chown	19[illegible]	cumulative	0.96	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chown	1996	cumulative	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Chown	1994	cumulative	0.93	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00
Chown	1992	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean (1992 to 2000)			0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 18. Daily Cumulative Proportions of Tlell River Fence Counts of Coho for 2000.

			16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	05-Sep
Tlell	2000	cumulative	.00	.00	.00	.00	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04

			06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep
Tlell	2000	cumulative	.04	.04	.04	.23	.26	.29	.30	.30	.31	.35	.52	.60	.70	.71	.71	.71	.71	.72	.72	.72	.72

			27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct
Tlell	2000	cumulative	.72	.74	.78	.79	.79	.79	.79	.79	.79	.79	.80	.92	.94	.95	.95	.95	.95	.95	.96	.99	1.00

Table 19. Daily Cumulative Proportions of Mathers Creek Fence Counts of Coho for 1992.

			05-Sep	06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep
Mathers	1992	cumulative	.00	.00	.01	.04	.06	.08	.13	.14	.16	.18	.19	.24	.26	.28	.30	.31	.32	.34	.36	.38
			25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct
Mathers	1992	cumulative	.40	.42	.43	.43	.43	.47	.50	.52	.55	.57	.57	.59	.62	.63	.67	.70	.71	.73	.76	.77
			15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	01-Nov	02-Nov	03-Nov
Mathers	1992	cumulative	.79	.81	.82	.85	.85	.89	.91	.92	.94	.95	.97	.98	.98	.99	1.00	1.00	1.00	1.00	1.00	1.00

Table 20. Daily Cumulative Proportions of Pallant Creek Coho Fence Counts and Mean Daily Cumulative Proportions for the Years 1981, 1982, 1984 to 1996 and 2000.

			15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep
PALLANT	2000	cumulative	.00	.00	.02	.02	.04	.06	.07	.09	.10	.11	.11	.11	.11	.12	.14	.21	.26	.37	.43	.51
PALLANT	1996	cumulative						.01	.01	.08	.09	.09	.11	.15	.16	.17	.20	.22	.27	.31	.36	.39
PALLANT	1995	cumulative						.01	.03	.03	.05	.07	.08	.11	.11	.13	.15	.16	.16	.17	.17	.24
PALLANT	1994	cumulative						.01	.01	.01	.05	.08	.08	.11	.15	.17	.18	.18	.19	.25	.28	.36
PALLANT	1993	cumulative																				
PALLANT	1992	cumulative												.00	.00	.01	.10	.15	.16	.17	.18	.20
PALLANT	1991	cumulative								.00	.00	.01	.02	.02	.05	.07	.08	.08	.08	.08	.11	.12
PALLANT	1990	cumulative								.00	.00	.00	.00	.00	.01	.01	.01	.03	.05	.06	.10	.13
PALLANT	1989	cumulative									.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
PALLANT	1988	cumulative						.00	.01	.02	.03	.04	.06	.08	.09	.12	.18	.22	.25	.30	.33	.35
PALLANT	1987	cumulative						.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.16	.37	.39	.41
PALLANT	1986	cumulative									.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.08	.09
PALLANT	1985	cumulative								.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01
PALLANT	1984	cumulative																				.00
PALLANT	1982	cumulative									.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
PALLANT	1981	cumulative										.00	.00	.01	.02	.04	.04	.04	.04	.04	.07	.07
Mean (1981-2000)			.00	.00	.02	.02	.04	.02	.02	.03	.03	.03	.04	.04	.05	.06	.08	.09	.12	.15	.18	.20

			04-Sep	05-Sep	06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep
PALLANT	2000	cumulative	.52	.55	.62	.65	.69	.73	.78	.83	.84	.84	.88	.89	.90	.92	.95	.95	.96	.97	.97	.97
PALLANT	1996	cumulative	.40	.43	.46	.50	.52	.54	.55	.58	.61	.67	.68	.73	.77	.81	.85	.86	.86	.88	.88	.89
PALLANT	1995	cumulative	.26	.28	.29	.32	.36	.41	.50	.52	.56	.58	.63	.68	.68	.68	.70	.72	.74	.76	.77	.81
PALLANT	1994	cumulative	.39	.52	.70	.71	.72	.76	.78	.78	.78	.82	.84	.85	.88	.89	.91	.91	.93	.94	.96	.96
PALLANT	1993	cumulative											.00	.00	.03	.04	.04	.06	.07	.07	.07	.14
PALLANT	1992	cumulative	.21	.23	.27	.39	.44	.47	.51	.52	.53	.55	.56	.59	.63	.64	.73	.74	.76	.78	.84	.84
PALLANT	1991	cumulative	.17	.21	.24	.31	.45	.54	.67	.71	.73	.77	.80	.80	.81	.82	.83	.83	.83	.84	.85	.91
PALLANT	1990	cumulative	.18	.19	.20	.22	.25	.26	.26	.27	.29	.31	.33	.33	.34	.37	.42	.47	.50	.55	.56	.57
PALLANT	1989	cumulative	.24	.28	.28	.28	.28	.28	.29	.29	.29	.30	.31	.32	.35	.36	.39	.40	.41	.42	.43	.44
PALLANT	1988	cumulative	.37	.41	.43	.47	.49	.53	.54	.57	.59	.62	.64	.64	.65	.65	.65	.66	.68	.70	.72	.77
PALLANT	1987	cumulative	.47	.50	.50	.52	.52	.53	.54	.54	.55	.58	.66	.68	.68	.71	.71	.83	.84	.84	.85	.86
PALLANT	1986	cumulative	.11	.12	.12	.14	.14	.15	.16	.17	.19	.19	.19	.20	.21	.22	.22	.23	.24	.27	.37	.56
PALLANT	1985	cumulative	.11	.13	.27	.33	.34	.34	.34	.40	.49	.52	.58	.58	.75	.77	.78	.79	.86	.86	.86	.87
PALLANT	1984	cumulative	.03	.04	.07	.25	.29	.33	.40	.42	.43	.50	.56	.59	.62	.63	.64	.65	.70	.72	.77	.82
PALLANT	1982	cumulative	.01	.01	.11	.15	.19	.30	.34	.46	.48	.50	.54	.57	.58	.62	.65	.67	.68	.69	.70	.70
PALLANT	1981	cumulative	.08	.09	.14	.17	.21	.22	.24	.26	.27	.32	.47	.50	.52	.59	.61	.61	.61	.67	.67	.72
Mean (1981-2000)			.24	.27	.31	.36	.39	.43	.46	.49	.51	.54	.54	.56	.59	.61	.63	.65	.67	.69	.71	.74

Table 20 cont. Daily Cumulative Proportions of Pallant Creek Coho Fence Counts and Mean Daily Cumulative Proportions for the Years 1981, 1982, 1984 to 1996 and 2000.

			24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct
PALLANT	2000	cumulative	.97	.98	.98	.98	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1996	cumulative	.92	.93	.94	.94	.95	.95	.95	.95	.95	.95	.96	.96	.97	.97	.98	.98	.98	.98	.98	.99
PALLANT	1995	cumulative	.83	.84	.87	.89	.90	.90	.91	.91	.91	.91	.92	.95	.95	.98	.98	.98	.98	.98	.98	.99
PALLANT	1994	cumulative	.96	.97	.97	.98	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99
PALLANT	1993	cumulative	.53	.54	.65	.70	.71	.72	.72	.77	.82	.86	.87	.90	.90	.90	.91	.91	.91	.91	.91	.91
PALLANT	1992	cumulative	.85	.87	.88	.91	.91	.96	.96	.96	.96	.97	.97	.97	.97	.98	.98	.98	.98	.98	.98	.98
PALLANT	1991	cumulative	.92	.94	.95	.96	.96	.96	.96	.96	.97	.97	.97	.97	.98	.99	.99	.99	.99	.99	.99	.99
PALLANT	1990	cumulative	.58	.58	.58	.58	.65	.68	.68	.81	.91	.93	.94	.95	.95	.97	.98	.98	.98	.98	.99	.99
PALLANT	1989	cumulative	.44	.45	.45	.47	.53	.57	.59	.63	.67	.75	.76	.79	.82	.86	.90	.90	.94	.96	.96	.97
PALLANT	1988	cumulative	.80	.84	.89	.90	.90	.90	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	.99	1.00	1.00	1.00
PALLANT	1987	cumulative	.86	.87	.89	.91	.91	.93	.93	.94	.94	.94	.96	.96	.97	.98	.98	.98	.98	.99	.99	.99
PALLANT	1986	cumulative	.68	.73	.75	.76	.79	.81	.82	.87	.90	.91	.92	.95	.98	.98	.98	.98	.98	.98	.98	.99
PALLANT	1985	cumulative	.87	.88	.88	.92	.93	.94	.94	.95	.95	.96	.96	.96	.97	.97	.97	.98	.98	.99	1.00	1.00
PALLANT	1984	cumulative	.86	.89	.91	.93	.94	.95	.96	.97	.97	.97	.97	.98	.99	.99	.99	1.00	1.00	1.00	1.00	1.00
PALLANT	1982	cumulative	.71	.72	.72	.72	.73	.73	.80	.84	.86	.91	.93	.95	.95	.96	.96	.98	.98	.98	.98	.98
PALLANT	1981	cumulative	.75	.78	.89	.92	.93	.96	.96	.97	.97	.97	.98	.99	.99	.99	.99	.99	.99	.99	.99	.99
Mean (1981-2000)			.78	.80	.83	.84	.86	.87	.88	.91	.92	.94	.95	.95	.96	.97	.97	.97	.98	.98	.98	.98

			14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	01-Nov
PALLANT	2000	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1996	cumulative	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1995	cumulative	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1994	cumulative	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1993	cumulative	.92	.93	.94	.95	.96	.97	.97	.98	.99	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1992	cumulative	.99	.99	.99	.99	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1991	cumulative	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1990	cumulative	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1989	cumulative	.97	.97	.97	.97	.97	.98	.99	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1988	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1987	cumulative	.99	.99	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1986	cumulative	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1985	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1984	cumulative	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1982	cumulative	.98	.98	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PALLANT	1981	cumulative	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean (1981-2000)			.99	.99	.99	.99	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 21. Q.C.I. Commercial Gillnet, Seine and Troll Coho Catch Data[1] (pieces): Statistical Areas 1, 2 East and 2 West.

	Statistical Area/Geartype														
	1					2E					2W				
Year	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll
1952	166	2,175	2,341	145,024	147,365	223	1,416	1,639	92,227	93,866	475	1,650	2,125	3,734	5,859
1953	409	411	820	178,739	179,559	342	4,112	4,454	37,796	42,250	236	4,081	4,317	2,713	7,030
1954	163	10,968	11,131	198,482	209,613	2,369	18,558	20,927	25,964	46,891	47	14,712	14,759	1,322	16,081
1955	44	9,361	9,405	366,224	375,629	2,181	12,550	14,731	71,909	86,640	128	3,357	3,485	1,368	4,853
1956	8,283	2,216	10,499	222,569	233,068	1,986	13,252	15,238	103,948	119,186	1	8,451	8,452	2,193	10,645
1957	5,476	3,036	8,512	325,914	334,426	137	3,239	3,376	111,925	115,301	0	806	806	3,732	4,538
1958	4,704	349	5,053	170,342	175,395	2,184	3,805	5,989	55,729	61,718	248	118	366	1,215	1,581
1959	1,526	0	1,526	147,935	149,461	4	786	790	53,583	54,373	20	0	20	2,265	2,285
1960	3,169	102	3,271	121,201	124,472	562	2,508	3,070	68,326	71,396	0	166	166	2,646	2,812
1961	2,600	248	2,848	197,281	200,129	2,690	13,080	15,770	77,276	93,046	25	68	93	3,190	3,283
1962	15,463	1,386	16,849	285,231	302,080	4,739	8,969	13,708	105,679	119,387	118	0	118	23,396	23,514
1963	13,324	2,200	15,524	295,746	311,270	5,105	9,338	14,443	89,801	104,244	0	0	0	17,371	17,371
1964	39,688	6,830	46,518	303,534	350,052	10,229	16,119	26,348	134,608	160,956	249	3,532	3,781	18,711	22,492
1965	37,320	5,393	42,713	198,242	240,955	5,859	7,688	13,547	67,888	81,435	1,073	3,242	4,315	9,878	14,193
1966	41,819	3,532	45,351	290,716	336,067	2,862	6,994	9,856	157,061	166,917	630	4,288	4,918	17,372	22,290
1967	36,489	1,005	37,494	169,877	207,371	11,546	10,977	22,523	75,261	97,784	241	1,849	2,090	12,131	14,221
1968	88,667	1,416	90,083	278,811	368,894	14,434	7,151	21,585	127,487	149,072	786	1,459	2,245	10,145	12,390
1969	39,952	541	40,493	207,576	248,069	5,074	966	6,040	56,824	62,864	176	992	1,168	9,811	10,979
1970	70,182	1,290	71,472	209,191	280,663	16,825	5,583	22,408	94,126	116,534	644	10,024	10,668	9,486	20,154
1971	52,306	2,386	54,692	178,913	233,605	13,800	5,344	19,144	109,355	128,499	107	3,096	3,203	10,002	13,205
1972	54,025	7,731	61,756	210,223	271,979	6,427	4,662	11,089	166,698	177,787	963	11,701	12,664	10,787	23,451
1973	7,463	986	8,449	130,549	138,998	7,322	1,940	9,262	91,813	101,075	267	810	1,077	4,191	5,268
1974	9,833	1,494	11,327	156,066	167,393	3,918	1,662	5,580	99,038	104,618	500	1,446	1,946	10,612	12,558
1975	15,564	3,359	18,923	109,217	128,140	183	274	457	55,914	56,371	1,792	2,749	4,541	3,911	8,452
1976	2,693	1,409	4,102	62,959	67,061	2,582	6,987	9,569	183,695	193,264	106	4,518	4,624	11,244	15,868
1977	1,127	2,666	3,793	95,858	99,651	5,161	5,701	10,862	37,007	47,869	320	3,893	4,213	4,852	9,065
1978	410	2,751	3,161	264,151	267,312	8,202	1,705	9,907	143,531	153,438	68	6,441	6,509	32,956	39,465
1979	1,164	14,710	15,874	269,958	285,832	0	0	0	105,944	105,944	177	25,214	25,391	26,199	51,590
1980	16,614	11,886	28,500	293,010	321,510	5,094	1,145	6,239	106,361	112,600	909	16,050	16,959	66,822	83,781
1981	5,953	10,869	16,822	199,555	216,377	3,163	488	3,651	66,520	70,171	257	7,430	7,687	52,001	59,688
1982	90	9,734	9,824	149,135	158,959	676	97	773	100,192	100,965	187	3,850	4,037	36,682	40,719
1983	642	4,763	5,405	359,201	364,606	0	0	0	106,996	106,996	15	4,577	4,592	24,566	29,158
1984	221	7,233	7,454	336,706	344,160	2,157	2,267	4,424	29,212	33,636	58	7,469	7,527	31,025	38,552
1985	114	20,789	20,903	332,694	353,597	12,981	11,385	24,366	40,930	65,296	71	3,712	3,783	39,522	43,305
1986	914	19,702	20,616	627,357	647,973	6,943	10,276	17,219	109,325	126,544	41	2,402	2,443	65,910	68,353
1987	304	13,205	13,509	310,680	324,189	2,685	1,511	4,196	94,893	99,089	0	470	470	104,314	104,784
1988	538	3,163	3,701	214,979	218,680	2,776	3,859	6,635	51,549	58,184	2	747	749	21,370	22,119
1989	370	7,731	8,101	344,222	352,323	2,734	4,260	6,994	36,307	43,301	26	5,254	5,280	75,192	80,472
1990	326	16,910	17,236	650,240	667,476	3,806	6,530	10,336	75,872	86,208	74	6,723	6,797	87,168	93,965
1991	220	3,788	4,008	659,385	663,393	4,494	2,022	6,516	69,281	75,797	179	5,741	5,917	66,525	72,442
1992	863	6,615	7,478	259,961	267,439	2,626	2,921	5,547	61,244	66,791	48	4,043	4,091	26,833	30,924
1993	605	4,262	4,867	210,400	215,267	1,540	4,732	6,272	27,174	33,446	3	1,179	1,182	34,386	35,568
1994	897	22,150	23,047	461,067	484,114	1,114	889	2,003	35,644	37,647	0	3,269	3,269	56,845	60,114
1995	1,351	7,195	8,546	204,437	212,983	825	83	908	16,457	17,365	0	0	0	13,617	13,617
1996	61	626	687	254,432	255,119	561	532	1,093	17,481	18,574	0	0	0	1,484	1,484
1997	4,920	345	5,265	128,166	133,431	399	35	434	10,932	11,366	0	542	542	10,259	10,801
1998	0	0	0	1,998	1,998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	1,999	1,999	1,730	423	2,153	0	2,153	30	0	30	0	30
2000	0	0	0	2,000	2,000	1,772	7	1,779	8	1,787	0	0	0	0	0

[1]Data source: Regional Commercial Salmon Saleslip Database.

Table 22. North Coast Commercial Gillnet, Seine and Troll Coho Catch Data[1] (pieces): Statistical Areas 3, 4 and 5.

	Statistical Area/Geartype														
	3					4					5				
Year	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll
1952	5,101	2,127	7,228	56,780	64,008	45,923	13	45,936	104,046	149,982	10,117	14,163	24,280	70,748	95,028
1953	33,484	5,771	39,255	29,839	69,094	54,175	174	54,349	34,878	89,227	24,627	11,758	36,385	11,810	48,195
1954	46,736	5,872	52,608	22,137	74,745	85,160	1,056	86,216	92,594	178,810	30,382	13,001	43,383	14,377	57,760
1955	69,210	4,230	73,440	52,435	125,875	92,453	125	92,578	50,011	142,589	37,009	12,743	49,752	15,144	64,896
1956	58,062	14,495	72,557	41,624	114,181	61,146	120	61,266	59,269	120,535	26,904	22,056	48,960	53,187	102,147
1957	52,181	14,900	67,081	43,125	110,206	52,143	355	52,498	46,301	98,799	23,222	3,647	26,869	48,222	75,091
1958	39,920	22,562	62,482	63,910	126,392	59,995	14	60,009	27,556	87,565	9,319	13,725	23,044	43,806	66,850
1959	20,896	3,273	24,169	36,238	60,407	47,111	115	47,226	39,232	86,458	31,711	8,800	40,511	22,935	63,446
1960	37,081	1,117	38,198	55,347	93,545	36,076	209	36,285	23,351	59,636	35,443	10,997	46,440	19,891	66,331
1961	40,500	7,781	48,281	34,972	83,253	37,271	301	37,572	23,476	61,048	20,688	16,466	37,154	43,529	80,683
1962	43,570	3,007	46,577	69,397	115,974	70,980	45	71,025	75,621	146,646	104,776	27,908	132,684	53,225	185,909
1963	19,477	677	20,154	20,076	40,230	48,646	390	49,036	73,519	122,555	122,680	16,967	139,647	82,315	221,962
1964	31,736	11,208	42,944	49,708	92,652	82,495	248	82,743	100,810	183,553	96,440	38,714	135,154	135,541	270,695
1965	70,863	16,685	87,548	14,351	101,899	53,708	100	53,808	79,829	133,637	73,632	25,185	98,817	118,749	217,566
1966	88,233	19,926	108,159	39,249	147,408	124,952	0	124,952	166,196	291,148	88,684	54,595	143,279	228,592	371,871
1967	22,876	18,217	41,093	9,473	50,566	49,496	67	49,563	31,757	81,320	6,743	3,357	10,100	77,073	87,173
1968	62,165	24,291	86,456	70,218	156,674	74,444	761	75,205	165,929	241,134	53,489	30,217	83,706	258,350	342,056
1969	16,960	9,770	26,730	21,759	48,489	40,779	122	40,901	30,556	71,457	23,023	3,196	26,219	30,614	56,833
1970	61,976	14,539	76,515	31,446	107,961	63,597	162	63,759	22,456	86,215	50,735	14,623	65,358	47,764	113,122
1971	42,614	15,340	57,954	34,974	92,928	83,458	1,773	85,231	29,059	114,290	11,392	8,363	19,755	46,863	66,618
1972	55,005	8,950	63,955	53,588	117,543	69,394	2,650	72,044	76,941	148,986	25,089	7,882	32,971	154,404	187,376
1973	12,916	3,502	16,418	15,783	32,201	39,128	2,028	41,156	31,868	73,024	11,044	2,263	13,307	90,903	104,210
1974	17,550	3,999	21,549	20,526	42,075	24,225	3,654	27,879	17,468	45,347	24,224	2,242	26,466	45,909	72,402
1975	24,680	5,261	29,941	18,063	48,004	23,123	4,804	27,927	23,216	51,143	13,330	5,779	19,109	17,318	36,427
1976	12,287	6,289	18,576	17,766	36,342	26,262	1,142	27,404	29,098	56,502	18,386	3,802	22,188	31,904	54,092
1977	30,989	17,039	48,028	34,421	82,449	34,732	3,080	37,812	14,542	52,354	19,661	5,671	25,332	14,469	39,801
1978	30,340	57,358	87,698	46,409	134,107	55,328	3,863	59,191	14,473	73,664	25,529	3,129	28,658	14,189	42,844
1979	13,960	23,395	37,355	14,835	52,190	42,218	5,208	47,426	20,121	67,547	12,886	1,314	14,199	11,947	26,146
1980	17,057	20,789	38,446	39,313	77,759	21,001	1,105	22,106	12,061	34,167	13,647	4,297	17,944	19,351	37,295
1981	8,232	10,286	18,520	38,425	56,945	29,062	3,026	32,088	14,856	47,844	5,809	636	6,445	6,238	12,683
1982	20,147	71,554	91,701	51,459	143,160	43,496	21,713	65,209	34,994	100,193	10,398	5,383	15,781	23,831	39,612
1983	25,770	130,341	156,111	128,615	284,726	38,710	0	38,710	94,936	133,646	8,202	3,749	11,951	21,683	33,634
1984	28,101	49,316	77,417	74,732	152,149	34,694	11,598	46,292	51,946	98,238	7,319	12,872	19,991	9,546	29,537
1985	11,562	40,276	51,838	47,221	99,059	65,445	14,838	80,283	46,435	126,718	2,583	3,154	5,737	22,590	28,327
1986	20,036	72,631	92,667	118,982	211,649	44,876	6,811	51,687	110,936	162,623	11,131	16,798	27,929	59,071	87,000
1987	4,716	47,094	51,810	33,861	85,671	18,452	4,725	23,177	43,277	66,454	1,642	5,528	7,170	10,826	17,996
1988	3,413	15,035	18,448	23,633	42,081	24,396	2,555	26,951	24,965	51,916	2,532	1,327	3,859	13,631	17,490
1989	13,396	74,119	87,507	63,163	150,670	39,552	2,645	42,197	22,402	64,599	8,210	3,097	11,307	34,142	45,449
1990	7,515	34,188	42,004	77,107	119,111	63,308	3,111	66,419	63,305	129,724	6,552	14,147	20,699	23,102	43,801
1991	19,152	103,773	122,925	94,943	217,868	46,510	2,447	48,957	76,479	125,436	5,421	5,960	11,381	15,687	27,068
1992	15,960	25,899	41,859	60,783	102,642	32,294	10,867	43,161	65,945	109,106	6,210	4,634	10,844	25,167	36,011
1993	20,223	47,970	68,193	38,142	106,335	41,074	6,215	47,289	17,959	65,248	4,993	2,412	7,405	11,787	19,192
1994	24,995	41,923	66,918	159,897	226,815	63,196	411	63,607	13,921	77,528	7,543	3,901	11,444	22,615	34,059
1995	22,647	38,305	60,952	95,152	156,104	31,926	2,636	34,562	4,107	38,669	4,524	1,016	5,540	20,007	25,547
1996	24,326	31,866	56,192	99,599	155,791	43,714	14,731	58,445	20,447	78,892	13,400	4,037	17,437	20,145	37,582
1997	3,472	723	4,195	736	4,931	12,442	176	12,618	13,842	26,460	1,666	233	1,899	4,178	6,077
1998															
1999															
2000															

[1]Data source: Regional Commercial Salmon Salvage Database.

Table 23. Northern Canada Commercial Gillnet, Seine and Troll Coho Catch Data[1] (pieces): Statistical Areas 1, 2 East, 2 West, 3, 4 and 5.

	Q.C.I. (1,2E,2W)					North Coast (3,4,5)					Northern Canada (1,2E,2W,3,4,5)				
Year	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll	GN	SN	Net	Troll	Net+Troll
1952	864	5,241	6,105	240,985	247,090	61,141	16,303	77,444	231,574	309,018	62,005	21,544	83,549	472,559	556,108
1953	987	8,604	9,591	219,248	228,839	112,286	17,703	129,989	76,527	206,516	113,273	26,307	139,580	295,775	435,355
1954	2,579	44,238	46,817	225,768	272,585	162,278	19,929	182,207	129,108	311,315	164,857	64,167	229,024	354,876	583,900
1955	2,353	25,268	27,621	439,501	467,122	198,672	17,098	215,770	117,590	333,360	201,025	42,366	243,391	557,091	800,482
1956	10,270	23,919	34,189	328,710	362,899	146,112	36,671	182,783	154,080	336,863	156,382	60,590	216,972	482,790	699,762
1957	5,613	7,081	12,694	441,571	454,265	127,546	18,902	146,448	137,648	284,096	133,159	25,983	159,142	579,219	738,361
1958	7,136	4,272	11,408	227,286	238,694	109,234	36,301	145,535	135,272	280,807	116,370	40,573	156,943	362,558	519,501
1959	1,550	786	2,336	203,783	206,119	99,718	12,186	111,906	98,405	210,311	101,268	12,974	114,242	302,188	416,430
1960	3,731	2,776	6,507	192,173	198,680	108,600	12,323	120,923	98,589	219,512	112,331	15,099	127,430	290,762	418,192
1961	5,315	13,396	18,711	277,747	296,458	98,459	24,548	123,007	101,977	224,984	103,774	37,944	141,718	379,724	521,442
1962	20,320	10,355	30,675	414,306	444,981	219,326	30,960	250,286	198,243	448,529	239,646	41,315	280,961	612,549	893,510
1963	18,429	11,538	29,967	402,918	432,885	190,803	18,034	208,837	175,910	384,747	209,232	29,572	238,804	578,828	817,632
1964	50,166	26,481	76,647	456,853	533,500	210,671	50,170	260,841	286,059	546,900	260,837	76,651	337,488	742,912	1,080,400
1965	44,252	16,323	60,575	276,008	336,583	198,203	41,970	240,173	212,929	453,102	242,455	58,293	300,748	488,937	789,685
1966	45,311	14,814	60,125	465,149	525,274	301,869	74,521	376,390	434,037	810,427	347,180	89,335	436,515	899,186	1,335,701
1967	48,276	13,631	62,107	257,269	319,376	70,115	21,641	100,756	118,503	219,259	127,391	35,472	162,863	375,772	538,635
1968	103,887	10,026	113,913	416,443	530,356	190,098	55,269	245,367	494,497	739,864	293,985	65,295	359,280	910,940	1,270,220
1969	45,202	2,499	47,701	274,211	321,912	80,762	13,066	93,828	82,929	176,757	125,964	15,565	141,529	357,140	498,669
1970	87,451	16,897	104,348	312,803	417,151	176,358	29,324	205,682	101,696	307,378	263,809	46,221	310,030	414,499	724,529
1971	66,213	10,826	77,039	298,270	375,309	137,464	25,476	162,940	110,896	273,836	203,677	36,302	239,979	409,166	649,145
1972	61,416	24,064	85,509	387,708	473,217	149,459	32,462	181,970	284,033	466,003	210,903	43,676	254,479	671,741	927,220
1973	15,052	3,730	18,788	226,553	245,341	63,668	7,793	70,881	138,554	209,435	78,147	11,523	89,669	365,107	454,776
1974	14,251	4,602	18,853	265,716	284,569	65,999	9,895	75,894	83,933	159,827	80,250	14,497	94,747	349,649	444,396
1975	17,539	5,382	23,021	169,042	192,063	61,133	15,844	76,977	58,597	135,574	78,672	21,226	100,898	227,639	328,537
1976	5,381	12,914	18,295	257,804	276,119	56,935	11,733	68,668	78,758	147,426	62,316	24,647	86,963	336,562	423,545
1977	6,648	17,268	18,848	131,737	150,585	85,362	25,750	111,112	63,430	174,542	91,560	38,550	130,240	201,167	331,407
1978	8,680	10,897	19,577	440,436	460,013	111,107	64,147	175,144	76,071	251,215	119,787	75,044	194,721	516,507	711,228
1979	1,341	39,924	41,265	402,101	443,366	59,783	29,917	89,700	145,803	235,503	61,124	69,841	130,965	547,904	678,869
1980	22,617	29,081	51,698	465,523	517,221	92,305	26,331	118,636	83,745	202,381	114,922	55,412	170,334	549,268	719,602
1981	9,313	18,787	28,100	318,676	346,776	41,103	14,500	55,603	69,516	125,119	50,416	33,287	83,703	388,192	471,895
1982	503	13,581	14,084	280,899	294,983	74,021	36,656	110,677	103,994	214,671	74,524	50,237	124,761	384,893	509,654
1983	657	3,340	3,997	490,861	494,858	72,082	134,658	206,740	245,436	452,176	72,739	137,998	210,737	736,297	947,034
1984	7,430	36,969	44,399	396,941	441,340	70,514	73,685	144,199	136,224	280,423	77,944	110,654	188,598	533,165	721,763
1985	13,146	35,886	49,032	413,445	462,477	73,090	68,730	141,820	111,923	253,743	86,236	104,616	190,852	525,368	716,220
1986	7,868	32,361	40,229	807,592	847,821	76,243	96,240	172,483	284,479	456,962	83,961	128,601	212,712	1,092,071	1,304,783
1987	2,569	13,190	15,759	599,887	615,646	54,833	27,947	82,780	97,833	180,613	57,402	41,137	98,539	697,720	796,259
1988	1,316	7,702	11,018	267,918	278,936	37,211	21,417	58,628	53,511	112,139	38,527	29,119	69,646	321,429	391,075
1989	1,133	17,241	18,374	402,721	421,095	21,826	29,240	51,066	113,514	164,580	22,959	46,481	69,440	516,235	585,675
1990	4,208	31,503	35,711	413,291	449,002	77,845	71,883	149,728	164,116	313,844	82,053	103,386	185,439	577,407	762,846
1991	4,890	31,553	36,443	796,534	832,977	67,261	112,675	179,936	344,858	524,794	72,151	144,228	216,379	1,141,392	1,357,771
1992	1,519	13,532	15,051	297,503	312,554	31,116	44,200	75,316	141,144	216,460	32,635	57,732	90,367	438,647	529,014
1993	2,648	13,173	15,821	293,503	309,324	31,444	41,290	72,734	140,488	213,222	34,092	54,463	88,555	433,991	522,546
1994	7,011	35,348	42,359	553,540	595,899	69,276	84,286	153,562	346,466	500,028	76,287	119,634	195,921	900,006	1,095,927
1995	2,475	7,294	9,769	334,511	344,280	31,444	41,290	72,734	140,488	213,222	33,919	48,584	82,503	475,000	557,503
1996	503	4,104	4,607	223,577	228,184	30,104	36,115	66,219	113,511	179,730	30,607	40,219	70,826	337,088	407,914
1997	3,013	943	3,956	181,577	185,533	22,530	24,358	46,888	77,811	124,699	25,543	25,301	50,844	259,388	310,232
1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	1,900	822	2,722	1,900	4,622	0	0	0	0	0	1,900	822	2,722	1,900	4,622
2001	1,773	0	1,773	1,558	3,331	0	0	0	0	0	1,773	0	1,773	1,558	3,331

[1]Data source: Regional Commercial Salmon Catch Database.

Table 24. Alaskan Commercial Gillnet, Seine and Troll Coho Catch Data[1] (pieces).

	Statistical Area/Geartype						Quadrant/Geartype						
	101	101	102	103	104	106	NE Ak.	NW Ak.	SE Ak.	SW Ak.	Alaska	Alaska	Alaska
Year	GN	SN	SN	SN	SN	GN	Troll	Troll	Troll	Troll	Net	Troll	Net+Troll
1960	2,913	13,415	11,314	4,091	54,402	339	44,243	182,152	90,109	119,707	86,471	396,211	482,682
1961	3,040	23,171	39,656	40,461	28,022	14,934	31,056	186,896	64,776	117,252	149,493	399,932	549,425
1962	10,788	44,448	46,424	16,366	59,307	42,270	62,870	238,099	121,990	221,379	219,669	643,740	863,409
1963	3,104	31,378	29,577	37,409	73,461	52,101	105,856	442,291	98,352	49,507	227,030	695,006	922,036
1964	15,663	46,526	103,748	28,153	103,810	64,654	139,734	313,709	149,520	127,803	362,554	730,766	1,093,320
1965	10,675	5,166	70,162	71,836	134,760	75,729	142,048	373,860	138,609	74,370	298,127	728,887	1,027,014
1966	9,359	40,262	95,607	44,868	56,656	62,824	122,868	292,347	95,360	108,040	309,771	518,615	828,386
1967	3,072	503	6,166	2,915	96,486	17,673	83,651	287,609	33,504	38,692	86,817	443,456	530,273
1968	16,309	69,750	52,741	30,708	81,666	67,151	138,406	302,548	96,461	182,560	318,334	719,975	1,038,309
1969	3,107	905	6,260	966	123,118	10,288	47,131	252,364	34,159	44,980	38,236	378,443	416,679
1970	16,417	32,171	35,078	43,467	5,871	35,479	48,351	137,696	33,200	49,856	168,413	269,447	437,860
1971	4,870	27,706	58,350	29,989	28,217	48,069	53,298	133,404	77,619	80,990	197,210	345,311	542,521
1972	35,660	71,669	49,367	17,686	71,196	93,427	79,196	296,476	191,960	224,200	338,978	792,832	1,131,810
1973	18,445	4,807	32,181	8,345	47,873	38,407	69,233	253,264	133,033	93,810	149,658	549,340	698,998
1974	11,181	22,634	34,904	21,809	48,369	46,679	105,400	227,543	124,691	147,634	184,467	605,268	789,735
1975	12,155	4,167	34,730	13,880	7,797	33,940	77,641	98,137	93,408	94,142	96,869	363,328	460,197
1976	16,247	4,716	30,660	17,966	14,084	15,[illegible]	51,990	111,445	76,500	84,833	99,673	324,768	424,441
1977	12,143	33,550	51,142	5,171	23,510	43,[illegible]	53,540	96,775	104,460	71,[illegible]	170,316	326,485	496,801
1978	47,796	36,[illegible]	60,999	11,994	71,617	55,[illegible]	111,[illegible]	127,440	126,[illegible]	114,[illegible]	284,402	479,[illegible]	763,[illegible]
1979	6,471	4,013	23,264	14,[illegible]	13,[illegible]	17,[illegible]	33,[illegible]	47,[illegible]	29,[illegible]	21,[illegible]	65,[illegible]	129,[illegible]	194,[illegible]
1980	19,[illegible]	27,[illegible]	15,[illegible]	10,[illegible]	13,[illegible]	13,[illegible]	36,[illegible]	53,[illegible]	11,[illegible]	7,[illegible]	97,[illegible]	77,[illegible]	174,[illegible]
1981	18,[illegible]	4,[illegible]	15,[illegible]	11,[illegible]	11,[illegible]	7,[illegible]	8,[illegible]	45,[illegible]	3,[illegible]	1,[illegible]	56,[illegible]	57,[illegible]	113,[illegible]
1982	27,[illegible]	73,[illegible]	13,[illegible]	11,[illegible]	14,[illegible]	18,[illegible]	102,[illegible]	93,[illegible]	23,[illegible]	15,[illegible]	143,[illegible]	233,[illegible]	376,[illegible]
1983	41,[illegible]	41,[illegible]	17,[illegible]	4,[illegible]	17,[illegible]	5,[illegible]	114,[illegible]	73,[illegible]	15,[illegible]	14,[illegible]	129,[illegible]	116,[illegible]	245,[illegible]
1984	35,[illegible]	54,[illegible]	40,[illegible]	23,[illegible]	14,[illegible]	41,[illegible]	64,[illegible]	83,[illegible]	14,[illegible]	52,[illegible]	168,[illegible]	213,[illegible]	381,[illegible]
1985	33,[illegible]	34,[illegible]	30,[illegible]	44,[illegible]	13,[illegible]	24,[illegible]	23,[illegible]	1,[illegible]	124,[illegible]	24,[illegible]	180,[illegible]	172,[illegible]	352,[illegible]
1986	64,[illegible]	223,[illegible]	31,[illegible]	17,[illegible]	273,[illegible]	134,[illegible]	107,[illegible]	1,[illegible]	82,[illegible]	1,[illegible]	512,[illegible]	191,[illegible]	703,[illegible]
1987	31,[illegible]	9,[illegible]	5,[illegible]	12,[illegible]	48,[illegible]	41,[illegible]	103,[illegible]	1,[illegible]	27,[illegible]	1,[illegible]	94,[illegible]	132,[illegible]	226,[illegible]
1988	16,[illegible]	5,[illegible]	15,[illegible]	11,[illegible]	9,[illegible]	1,[illegible]	47,[illegible]	1,[illegible]	9,[illegible]	1,[illegible]	57,[illegible]	58,[illegible]	115,[illegible]
1989	11,[illegible]	31,[illegible]	37,[illegible]	23,[illegible]	134,[illegible]	5,[illegible]	104,[illegible]	1,[illegible]	124,[illegible]	1,[illegible]	361,[illegible]	230,[illegible]	591,[illegible]
1990	42,[illegible]	13,[illegible]	31,[illegible]	5,[illegible]	108,[illegible]	1,[illegible]	159,[illegible]	1,[illegible]	40,[illegible]	1,[illegible]	301,[illegible]	201,[illegible]	502,[illegible]
1991	19,[illegible]	1,[illegible]	21,[illegible]	2,[illegible]	27,[illegible]	1,[illegible]	51,[illegible]	1,[illegible]	18,[illegible]	1,[illegible]	71,[illegible]	71,[illegible]	142,[illegible]
1992	4,[illegible]	1,[illegible]	4,[illegible]	1,[illegible]	5,[illegible]	1,[illegible]	9,[illegible]	1,[illegible]	5,[illegible]	1,[illegible]	16,[illegible]	16,[illegible]	32,[illegible]
1993	2,[illegible]	1,[illegible]	3,[illegible]	1,[illegible]	3,[illegible]	1,[illegible]	5,[illegible]	1,[illegible]	3,[illegible]	1,[illegible]	11,[illegible]	10,[illegible]	21,[illegible]
1994	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	5,[illegible]	4,[illegible]	9,[illegible]
1995	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	5,[illegible]	4,[illegible]	9,[illegible]
1996	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	5,[illegible]	4,[illegible]	9,[illegible]
1997	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	1,[illegible]	5,[illegible]	4,[illegible]	9,[illegible]

[1] Sources:
1960-79 Net: Pacific Salmon Commission Northern Boundary Technical Committee Report, 1988. Report No. 25[illegible]
1960-79 Troll: Alaska Department of Fish and Game
1980-2000: Alaska Department of Fish and Game

Table 25. Q.C.I. Coho Mark Recovery Program Release Report.

Tag Code	Stock s/a	Species	Brood Year	Number Tagged	% Tag Loss	Days Held[1]	Number Released	CWT % Mark	Weight (gm)	Release Date (dd/mm/yy)	Release s/a	Rearing Type[2]	Study Type[3]
Prov/Dist: BC, Prod: QCI , Hat: 1919	CHOWN BROOK												
181840	1919-CHOWN BROOK	Coho	93	3,030	0.6	1	3,129	96.9	Unk	03/May/95 (28/May/95)	1919-CHOWN BROOK	H	M
291838	1919-CHOWN BROOK	Coho	93	3,082	3.1	1	3,048	93.1	Unk	08/May/95 (29/May/95)	1919-CHOWN BROOK	H	M
	Hatchery total			6,112			6,727						
Prov/Dist: BC, Prod: QCI , Hat: 1919	CHOWN BROOK PIP												
181842	1919-CHOWN BROOK	Coho	93	9,969	1	1	10,094	94.3	2.5	11/Jun/94 (11/Jun/94)	1919-CHOWN BROOK	H	E
Prov/Dist: BC, Prod: QCI , Hat: 1921	COATES CREEK PIP												
23109	3415-QCI-2-CREEK-BC	Coho	87	44,963	1.2	1	45,462	98.1	1.7	/06/94	1921-COATES CREEK	H	E
20532	3494-HAANS CREEK	Coho	89	2,772	1	1	2,800	99	2	04-Jun/94 (03-Jun/94)	1921-COATES CREEK	H	E
20533	3494-HAANS CREEK	Coho	89	10,427	1	1	11,332	94.5	2	04-Jun/94 (03-Jun/94)	1921-COATES CREEK	H	E
20719	3580-YAKOUN RIVER	Coho	90	20,190	5	1	22,254	90.9	2.5	10-Jun/91 (10-Jun/91)	1921-COATES CREEK	H	E
26728	3580-YAKOUN RIVER	Coho	90	9,852	5	1	10,736	90.2	2.5	10-Jun/91 (10-Jun/91)	1921-COATES CREEK	H	E
21347	3580-YAKOUN RIVER	Coho	91	10,372	4	1	11,823	87.7	1.4	27-Jun/92 (27-Jun/92)	1921-COATES CREEK	H	E
21348	3580-YAKOUN RIVER	Coho	91	9,987	5	1	11,396	87.3	1.4	27-Jun/92 (27-Jun/92)	1921-COATES CREEK	H	E
21349	3580-YAKOUN RIVER	Coho	91	3,882	3	1	11,223	87.2	1.4	27-Jun/92 (27-Jun/92)	1921-COATES CREEK	H	E
21350	3580-YAKOUN RIVER	Coho	91	4,128	3	1	3,079	84.9	1.4	27-Jun/92 (27-Jun/92)	1921-COATES CREEK	H	E
102400	3535-TASU CREEK	Coho	95	25,421	2.5	1	26,104	96.8	2.5	05-Jul/96 (05-Jul/96)	1921-COATES CREEK	H	E
	Hatchery total			101,671			102,975						
Prov/Dist: BC, Prod: QCI , Hat: 1957	COPPER CREEK												
181839	3407-COPPER CREEK	Coho	93	3,162	3	1	3,204	93	10.4	06/May/95 (05/May/95)	3407-COPPER CREEK	H	M
Prov/Dist: BC, Prod: QCI , Hat: 1935	DEENA RIVER												
20602	1935-DEENA RIVER	Coho	89	10,282	1	1	10,194	89	2.2	12/May/94 (11/May/94)	1935-DEENA RIVER	H	M
20603	1935-DEENA RIVER	Coho	89	2,459	1	1	2,264	89	2.2	30/May/94 (26/May/94)	1935-DEENA RIVER	H	M
291805	1935-DEENA RIVER	Coho	94	10,063	0.1	1	12,368	90.4	1.7	06/May/96 (07/May/96)	1935-DEENA RIVER	H	M
291804	1935-DEENA RIVER	Coho	94	5,496	0.1	1	5,400	94.7	Unk	/05/96	1935-DEENA RIVER	H	M
291815	1935-DEENA RIVER	Coho	94	5,881	0.5	1	6,353	90.1	Unk	07/May/96 (06/May/96)	1935-DEENA RIVER	H	M
291811	1935-DEENA RIVER	Coho	94	1,953	1.2	1	10,380	94.7	Unk	07/May/96 (10/May/96)	1935-DEENA RIVER	H	M
291816	1935-DEENA RIVER	Coho	94	9,445	0.5	1	10,291	90.5	12.5	08/May/96 (06/May/96)	1935-DEENA RIVER	H	M
	Hatchery total			48,579			56,710						
Prov/Dist: BC, Prod: QCI , Hat: 1727	HAIDAIT GAP												
22748	3344-HAIDAIT CREEK	Coho	92	17,980	0.7	1	17,168	92.4	20.6	01-Jul/97 (04-Jul/97)	3344-HAIDAIT CREEK	H	E
22749	3415-QCI-2-CREEK-BC	Coho	96	10,448	0	1	10,448	Ad	46.6	11-May/98 (Ad+)	Ad+	H	M

Table 25. cont. Q.C.I. Coho Mark Recovery Program Release Report.

Tag Code	Stock site	Species	Brood Year	Number Tagged	% Tag Loss	Days Held[1]	Number Released	CWT % Mark	Weight (gm)	Release Date (ddmmmyy:ddmmmyy)	Release site	Rearing Type[2]	Study Type[3]
25556	0415-GOLD CREEK/BC	Coho	87	10,265	1	1	11,101	92.5	26.6	:17May89	0415-GOLD CREEK/BC	H	M
25557	0415-GOLD CREEK/BC	Coho	87	10,442	1	1	11,279	92.6	26.6	:17May89	0415-GOLD CREEK/BC	H	M
26307	0060-YAKOUN RIVER	Coho	88	26,300	0	1	26,300	100	19	23Apr90:23Apr90	0415-GOLD CREEK/BC	H	M
26148	0060-YAKOUN RIVER	Coho	89	10,302	0	1	14,016	73.5	20	15May91:15May91	0421-MARIE LAKE	H	M
26149	0060-YAKOUN RIVER	Coho	89	10,008	0	1	13,722	72.9	20	15May91:15May91	0421-MARIE LAKE	H	M
26150	0060-YAKOUN RIVER	Coho	89	9,933	0	1	13,647	72.8	20	15May91:15May91	0421-MARIE LAKE	H	M
21222	0060-YAKOUN RIVER	Coho	90	6,402	1	1	7,717	83	19.9	06May92:06May92	0421-MARIE LAKE	H	B
21223	0060-YAKOUN RIVER	Coho	90	6,468	1	1	7,783	83.1	19.9	06May92:06May92	0421-MARIE LAKE	H	B
20925	0060-YAKOUN RIVER	Coho	91	7,129	0	1	7,129	100	19	30Jun93:30Jun93	0421-MARIE LAKE	H	M
20926	0060-YAKOUN RIVER	Coho	91	7,173	0	1	7,173	100	19	30Jun93:30Jun93	0421-MARIE LAKE	H	M
20927	0060-YAKOUN RIVER	Coho	91	7,348	0	1	7,348	100	19	30Jun93:30Jun93	0421-MARIE LAKE	H	M
21235	0060-YAKOUN RIVER	Coho	92	10,043	0	1	10,043	100	19.5	23May94:23May94	0421-MARIE LAKE	H	B
21236	0060-YAKOUN RIVER	Coho	92	9,981	0	1	9,981	100	19.5	23May94:23May94	0421-MARIE LAKE	H	B
21237	0060-YAKOUN RIVER	Coho	92	9,970	0	1	9,970	100	19.5	23May94:23May94	0421-MARIE LAKE	H	B
20515	0060-YAKOUN RIVER	Coho	93	5,463	0	1	5,848	93.4	20	27May95:27May95	0421-MARIE LAKE	H	M
180717	0060-YAKOUN RIVER	Coho	93	11,132	0	1	11,917	93.4	20	27May95:27May95	0421-MARIE LAKE	H	M
180718	0060-YAKOUN RIVER	Coho	93	11,780	0	1	12,610	93.4	20	27May95:27May95	0421-MARIE LAKE	H	M
181113	0060-YAKOUN RIVER	Coho	94	10,546	0.3	1	16,101	65.5	20	08May96:08May96	0421-MARIE LAKE	H	M
181114	0060-YAKOUN RIVER	Coho	94	10,635	0.3	1	16,232	65.5	20	08May96:08May96	0421-MARIE LAKE	H	M
181115	0060-YAKOUN RIVER	Coho	94	5,694	0.3	1	8,691	65.5	20	08May96:08May96	0421-MARIE LAKE	H	M
	Hatchery total:			228,527			260,242						
* Prov/Stat:	BC, Prod: QCI , Hat: 0148	**PALLANT CREEK**											
22220	0148-PALLANT CREEK	Coho	80	39,643	2.9	Unk	40,843	97.1	5.2	:23Jun81	0148-PALLANT CREEK	H	B
22221	0148-PALLANT CREEK	Coho	80	31,587	2.5	Unk	32,387	97.5	4.6	:29Jun81	0057-PALLANT CR UPPER	H	B
22402	0148-PALLANT CREEK	Coho	81	31,282	1.7	1	68,023	46	4.9	24Jun82:26Jun82	0059-MOSQUITO LAKE/BC	H	B
22403	0148-PALLANT CREEK	Coho	82	15,475	1.9	5	26,968	57.4	5.2	21Jun83:22Jun83	0059-MOSQUITO LAKE/BC	H	B
22449	0148-PALLANT CREEK	Coho	82	48,143	8.7	3	98,751	48.8	4	30May83:21Jun83	0148-PALLANT CREEK	H	B
22535	0148-PALLANT CREEK	Coho	82	47,951	7.3	7	59,727	80.3	4.5	01Jun83:22Jun83	0057-PALLANT CR UPPER	H	B
22746	0148-PALLANT CREEK	Coho	83	49,542	5.5	8	99,186	49.9	2.4	06Jun84:11Jun84	0148-PALLANT CREEK	H	B
23249	0148-PALLANT CREEK	Coho	84	47,576	9.7	7	102,822	46.3	1.6	06Jun85	0845-MOSQUITO CREEK/QCI	H	B
23250	0148-PALLANT CREEK	Coho	84	49,561	7.2	7	103,653	47.8	1.6	06Jun85	0859-BRAVERMAN CREEK	H	B
23526	0148-PALLANT CREEK	Coho	85	21,373	1.5	5	54,565	39.2	1.8	24Jun86	0859-BRAVERMAN CREEK	H	B
23527	0148-PALLANT CREEK	Coho	85	21,351	1	5	54,236	39.4	1.8	24Jun86	0859-BRAVERMAN CREEK	H	B
23528	0148-PALLANT CREEK	Coho	85	21,384	0.5	5	54,044	39.6	1.8	24Jun86	0859-BRAVERMAN CREEK	H	B
23529	0148-PALLANT CREEK	Coho	85	21,173	0.7	5	53,619	39.5	1.8	24Jun86	0859-BRAVERMAN CREEK	H	B
23925	0148-PALLANT CREEK	Coho	85	10,713	0.6	5	25,824	41.5	1.6	12Jun86:15Jun86	0148-PALLANT CREEK	H	B
23926	0148-PALLANT CREEK	Coho	85	10,584	1.9	8	25,843	41	1.6	12Jun86:15Jun86	0148-PALLANT CREEK	H	B
23927	0148-PALLANT CREEK	Coho	85	9,629	2.8	9	23,730	40.6	1.6	12Jun86:15Jun86	0148-PALLANT CREEK	H	B
23928	0148-PALLANT CREEK	Coho	85	10,639	0.5	6	10,696	99.5	2	:18Jun86	0148-PALLANT CREEK	H	B
23929	0148-PALLANT CREEK	Coho	85	9,872	2.1	11	17,200	57.4	1.9	18Jun86:19Jun86	0059-MOSQUITO LAKE/BC	H	B
23930	0148-PALLANT CREEK	Coho	85	9,982	1	8	17,203	58	1.9	18Jun86:19Jun86	0059-MOSQUITO LAKE/BC	H	B
23931	0148-PALLANT CREEK	Coho	85	10,002	1	8	17,238	58	1.9	18Jun86:19Jun86	0059-MOSQUITO LAKE/BC	H	B
23932	0148-PALLANT CREEK	Coho	85	10,596	1	6	10,703	99	2	18Jun86:19Jun86	0057-PALLANT CR UPPER	H	B

Table 25. cont. Q.C.I. Coho Mark Recovery Program Release Report.

Tag Code	Stock site	Species	Brood Year	Number Tagged	% Tag Loss	Days Held[1]	Number Released	CWT % Mark	Weight (gm)	Release Date (ddmmmyy:ddmmmyy)	Release site	Rearing Type[2]	Study Type[3]
23933	0148-PALLANT CREEK	Coho	85	9,942	1.2	6	10,063	98.8	2	18Jun86:19Jun86	0057-PALLANT CR UPPER	H	B
23934	0148-PALLANT CREEK	Coho	85	10,646	1.5	6	30,808	34.6	1.9	:18Jun86	0845-MOSQUITO CREEK/QCI	H	B
24422	0148-PALLANT CREEK	Coho	86	10,441	2.4	5	10,698	97.6	3.7	:23May87	0057-PALLANT CR UPPER	H	B
24423	0148-PALLANT CREEK	Coho	86	10,592	1	3	10,699	99	2.7	:22May87	0057-PALLANT CR UPPER	H	B
24424	0148-PALLANT CREEK	Coho	86	10,687	0.5	5	10,741	99.5	2.7	:23May87	0411-PALLANT CR LOWER	H	B
24425	0148-PALLANT CREEK	Coho	86	9,986	2	5	17,337	57.6	1.7	21May87:23May87	0059-MOSQUITO LAKE/BC	H	B
24426	0148-PALLANT CREEK	Coho	86	10,446	1.8	5	23,007	45.4	2.7	21May87:23May87	0059-MOSQUITO LAKE/BC	H	B
24427	0148-PALLANT CREEK	Coho	86	10,296	2.4	5	17,609	58.5	3.7	21May87:23May87	0059-MOSQUITO LAKE/BC	H	B
24428	0148-PALLANT CREEK	Coho	86	10,540	1	5	41,510	25.4	2.7	25May87:30May87	0411-PALLANT CR LOWER	H	B
24429	0148-PALLANT CREEK	Coho	86	10,359	0.8	5	43,647	23.7	3.7	25May87:30May87	0411-PALLANT CR LOWER	H	B
24430	0148-PALLANT CREEK	Coho	86	10,452	1	5	21,815	47.9	1.7	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24431	0148-PALLANT CREEK	Coho	86	10,269	2.7	5	21,614	47.5	1.7	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24444	0148-PALLANT CREEK	Coho	86	10,330	1.2	5	21,581	47.9	1.7	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24445	0148-PALLANT CREEK	Coho	86	10,439	0.8	5	21,766	48	1.7	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24446	0148-PALLANT CREEK	Coho	86	9,969	1.6	5	20,863	47.8	1.7	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24447	0148-PALLANT CREEK	Coho	86	10,364	1.3	5	21,663	47.8	2.5	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24448	0148-PALLANT CREEK	Coho	86	10,438	0.9	5	21,775	47.9	2.5	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24449	0148-PALLANT CREEK	Coho	86	9,986	1.3	5	20,873	47.8	2.5	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24450	0148-PALLANT CREEK	Coho	86	10,507	0.9	5	21,919	47.9	2.5	28May87:29May87	0859-BRAVERMAN CREEK	H	B
24451	0148-PALLANT CREEK	Coho	86	10,143	1.2	5	21,190	47.9	2.5	28May87:29May87	0859-BRAVERMAN CREEK	H	B
25044	0148-PALLANT CREEK	Coho	87	10,503	2.4	7	21,526	48.8	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25045	0148-PALLANT CREEK	Coho	87	10,181	4.4	7	21,092	48.3	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25046	0148-PALLANT CREEK	Coho	87	10,052	5.3	7	20,924	48	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25047	0148-PALLANT CREEK	Coho	87	10,229	3.9	7	21,129	48.4	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25119	0148-PALLANT CREEK	Coho	87	9,590	8.9	7	18,228	52.6	3.3	07Jun88:08Jun88	0059-MOSQUITO LAKE/BC	H	B
25120	0148-PALLANT CREEK	Coho	87	10,499	5.5	7	19,544	53.7	3.3	07Jun88:08Jun88	0059-MOSQUITO LAKE/BC	H	B
25121	0148-PALLANT CREEK	Coho	87	11,026	2.6	7	20,179	54.6	3.3	07Jun88:08Jun88	0059-MOSQUITO LAKE/BC	H	B
25122	0148-PALLANT CREEK	Coho	87	11,018	2.3	7	22,189	49.7	2.3	27May88:28May88	0148-PALLANT CREEK	H	B
25123	0148-PALLANT CREEK	Coho	87	11,203	0.8	7	22,383	50.1	2.3	27May88:28May88	0148-PALLANT CREEK	H	B
25124	0148-PALLANT CREEK	Coho	87	10,451	6.2	7	11,136	93.8	2.6	:09Jun88	0148-PALLANT CREEK	H	B
25125	0148-PALLANT CREEK	Coho	87	11,146	1.9	7	11,357	98.1	2.9	:09Jun88	0057-PALLANT CR UPPER	H	B
25126	0148-PALLANT CREEK	Coho	87	10,767	3.5	7	11,162	96.5	3.1	:09Jun88	0057-PALLANT CR UPPER	H	B
25456	0148-PALLANT CREEK	Coho	87	24,723	1.5	56	35,499	6	22.4	09May89	0346-DEER BAY	H	B
25535	0148-PALLANT CREEK	Coho	87	26,700	0.5	49	35,186	75.9	23.3	01Jun89	0346-DEER BAY	H	B
25540	0148-PALLANT CREEK	Coho	87	10,190	2.1	7	20,757	49.1	3.5	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25543	0148-PALLANT CREEK	Coho	87	10,496	1.1	7	21,268	49.4	3.5	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25545	0148-PALLANT CREEK	Coho	87	9,652	1.4	7	19,840	48.6	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25546	0148-PALLANT CREEK	Coho	87	10,547	1.8	7	21,730	48.5	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25548	0148-PALLANT CREEK	Coho	87	9,761	4.3	7	20,372	47.9	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
25551	0148-PALLANT CREEK	Coho	87	9,395	2.2	7	19,396	48.4	3.2	07Jun88:09Jun88	0859-BRAVERMAN CREEK	H	B
20143	0148-PALLANT CREEK	Coho	88	16,853	1.6	38	58,963	28.6	14.7	11May90:12May90	0148-PALLANT CREEK	H	B
20144	0148-PALLANT CREEK	Coho	88	15,436	5.5	59	81,756	18.9	14.5	22May90:23May90	0148-PALLANT CREEK	H	B
25711	0148-PALLANT CREEK	Coho	88	10,743	3	10	11,075	97	3.4	22Jun89:24Jun89	0057-PALLANT CR UPPER	H	B
25712	0148-PALLANT CREEK	Coho	88	10,725	3	10	11,056	97	3.4	22Jun89:24Jun89	0057-PALLANT CR UPPER	H	B
25713	0148-PALLANT CREEK	Coho	88	10,384	4.3	11	17,973	57.8	6	13Jul89	0059-MOSQUITO LAKE/BC	H	B

Table 25. cont. Q.C.I. Coho Mark Recovery Program Release Report.

Tag Code	Stock site	Species	Brood Year	Number Tagged	% Tag Loss	Days Held[1]	Number Released	CWT % Mark	Weight (gm)	Release Date (ddmmmyy:ddmmmyy) Release site	Rearing Type[2]	Study Type[3]
25714	0148-PALLANT CREEK	Coho	88	8,389	22.7	11	16,609	50.5	6	:13Jul89 0059-MOSQUITO LAKE/BC	H	B
25715	0148-PALLANT CREEK	Coho	88	9,963	8.6	10	17,732	56.2	6	:13Jul89 0059-MOSQUITO LAKE/BC	H	B
25716	0148-PALLANT CREEK	Coho	88	10,454	6.5	Unk	11,180	93.5	3.1	:22Jun89 0148-PALLANT CREEK	H	B
25717	0148-PALLANT CREEK	Coho	88	10,727	2.4	13	10,996	97.6	3.1	23Jun89:24Jun89 0148-PALLANT CREEK	H	B
25718	0148-PALLANT CREEK	Coho	88	10,753	2.4	13	11,023	97.6	3.1	23Jun89:24Jun89 0148-PALLANT CREEK	H	B
26114	0148-PALLANT CREEK	Coho	88	9,707	6.2	14	18,208	53.3	4.2	:22Jun89 0859-BRAVERMAN CREEK	H	B
26115	0148-PALLANT CREEK	Coho	88	9,333	11.6	14	18,106	51.5	4.2	:22Jun89 0859-BRAVERMAN CREEK	H	B
26116	0148-PALLANT CREEK	Coho	88	9,992	5.6	14	18,673	53.5	4.2	:22Jun89 0859-BRAVERMAN CREEK	H	B
26117	0148-PALLANT CREEK	Coho	88	9,725	8.2	14	18,461	52.7	4.2	:22Jun89 0859-BRAVERMAN CREEK	H	B
26118	0148-PALLANT CREEK	Coho	88	10,222	3.3	14	18,848	54.2	4.2	:22Jun89 0859-BRAVERMAN CREEK	H	B
26119	0148-PALLANT CREEK	Coho	88	10,315	0	16	20,847	49.5	4.4	:22Jun89 0859-BRAVERMAN CREEK	H	B
26120	0148-PALLANT CREEK	Coho	88	9,704	4.9	16	20,107	48.3	4.4	:22Jun89 0859-BRAVERMAN CREEK	H	B
26121	0148-PALLANT CREEK	Coho	88	9,930	5.9	16	20,686	48	4.4	:22Jun89 0859-BRAVERMAN CREEK	H	B
26122	0148-PALLANT CREEK	Coho	88	10,243	2.2	16	20,936	48.9	4.4	:22Jun89 0859-BRAVERMAN CREEK	H	B
26123	0148-PALLANT CREEK	Coho	88	10,164	4.5	16	21,017	48.4	4.4	:22Jun89 0859-BRAVERMAN CREEK	H	B
20824	0148-PALLANT CREEK	Coho	89	51,182	1.7	30	177,380	28.9	3.1	12Jun90:14Jun90 0859-BRAVERMAN CREEK	H	B
20825	0148-PALLANT CREEK	Coho	89	48,307	1	346	178,156	27.1	17.9	25May91:27May91 0148-PALLANT CREEK	H	P
26028	0149-MATHERS CREEK	Coho	89	31,080	1.2	30	46,994	66.1	3.4	05Jun90:05Jun90 0149-MATHERS CREEK	H	B
21416	0148-PALLANT CREEK	Coho	90	20,587	1.1	48	175,396	11.7	16.9	08May92:14May92 0148-PALLANT CREEK	H	B
21417	0148-PALLANT CREEK	Coho	90	19,447	0.6	43	164,699	11.8	16.5	08May92:14May92 0148-PALLANT CREEK	H	B
25655	0149-MATHERS CREEK	Coho	90	45,967	1.8	103	76,825	59.8	13	:07Oct91 2196-FUKWA CREEK	H	B
25656	0148-PALLANT CREEK	Coho	90	44,983	5.9	33	197,672	22.8	3.1	:19Jun91 0859-BRAVERMAN CREEK	H	B
180801	0148-PALLANT CREEK	Coho	91	38,739	3	31	269,357	14.4	19.6	15May93:17May93 0148-PALLANT CREEK	H	P
180831	0149-MATHERS CREEK	Coho	91	47,941	1	Unk	68,162	70.3	3.1	:26May92 2196-FUKWA CREEK	H	B
180832	0148-PALLANT CREEK	Coho	91	52,079	1.3	Unk	202,500	25.7	3.1	:04Jun92 0859-BRAVERMAN CREEK	H	B
180841	0148-PALLANT CREEK	Coho	92	47,808	2.5	31	198,144	24.1	2.2	:02Jun93 0059-MOSQUITO LAKE/BC	H	B
180847	0148-PALLANT CREEK	Coho	92	47,019	1.7	31	130,119	36.1	2.2	:02Jun93 0859-BRAVERMAN CREEK	H	B
181218	0148-PALLANT CREEK	Coho	93	48,507	3.5	28	224,147	21.6	3.2	:25May94 0059-MOSQUITO LAKE/BC	H	B
181951	0148-PALLANT CREEK	Coho	94	42,932	14	29	203,869	21.1	2.5	:15Jun95 0059-MOSQUITO LAKE/BC	H	B
182263	0148-PALLANT CREEK	Coho	95	47,941	8.2	30	200,158	24	2	:11Jun96 0059-MOSQUITO LAKE/BC	H	B
182861	0148-PALLANT CREEK	Coho	96	36,505	27.6	30	303,660	12	3.9	:18Jun97 0059-MOSQUITO LAKE/BC	H	B
	Hatchery total			1,857,805			5,104,626					
* Prov/Stat:	BC, Prod: QCI , Hat: 0495	**SACHS CREEK PIP**										
22404	0494-HAANS CREEK	Coho	81	39,730	0	Unk	57,685	68.9	2	00Jul82:00Aug82 0494-HAANS CREEK	H	B
22835	0494-HAANS CREEK	Coho	84	43,504	1.5	1	48,608	89.5	2.9	09Jun85:21Jun85 0494-HAANS CREEK	H	B
22855	0495-SACHS CREEK	Coho	84	19,343	1.6	1	24,898	77.7	2.3	09Jun85:19Jun85 0495-SACHS CREEK	H	B
	Hatchery total			102,577			131,191					
* Prov/Stat:	BC, Prod: QCI , Hat: 5704	**SANGAN RIVER**										
181937	5704-SANGAN R	Coho	93	5,496	0.8	1	6,029	91.2	14.4	03May95:10Jun95 5704-SANGAN R	W	M
281604	5704-SANGAN R	Coho	94	1,502	3.1	1	2,899	51.8	13.9	06May96:24May96 5704-SANGAN R	W	M
	Hatchery total			6,998			8,928					

Table 25. cont. Q.C.I. Coho Mark Recovery Program Release Report.

Tag Code	Stock site	Species	Brood Year	Number Tagged	% Tag Loss	Days Held[1]	Number Released	CWT % Mark	Weight (gm)	Release Date (ddmmmyy:ddmmmyy)	Release site	Rearing Type[2]	Study Type[3]
* Prov/Stat:	BC, Prod. QCI , Hat: 0173	**SEWELL INLET PIP**											
25041	1635-TASU CREEK	Coho	88	6,285	0	1	8,018	78.4	4.5	26Aug89	1635-TASU CREEK	H	B
26306	1635-TASU CREEK	Coho	88	25,124	0	1	32,050	78.4	4.5	26Aug89	1635-TASU CREEK	H	B
20545	1635-TASU CREEK	Coho	90	15,762	3	1	16,249	97	2	17Jul91:25Jul91	1635-TASU CREEK	H	B
20546	0306-SEWELL HD CREEK	Coho	90	14,178	3	1	14,617	97	2.3	17Jul91:17Jul91	0306-SEWELL HD CREEK	H	B
180537	3217-TASU + FLAT CR	Coho	91	25,781	0	1	39,497	65.3	2.8	09Jul92:15Jul92	3217-TASU + FLAT CR	H	B
181116	3217-TASU + FLAT CR	Coho	94	10,006	6.4	1	14,176	70.6	1.8	15Aug95:15Aug95	3217-TASU + FLAT CR	H	B
181117	3217-TASU + FLAT CR	Coho	94	10,829	0.6	1	13,487	80.3	2	15Aug95:15Aug95	3217-TASU + FLAT CR	H	B
181118	3217-TASU + FLAT CR	Coho	94	9,727	0	Unk	11,254	86.4	2.3	15Aug95:15Aug95	3217-TASU + FLAT CR	H	B
182359	1635-TASU CREEK	Coho	95	10,762	2.4	Unk	12,946	83.1	1.5	00Jul96:00Jul96	1635-TASU CREEK	H	B
182360	1635-TASU CREEK	Coho	95	9,590	2.3	Unk	11,522	83.2	1.5	00Jul96:00Jul96	1635-TASU CREEK	H	B
182835	1635-TASU CREEK	Coho	96	16,512	0.9	1	19,081	86.5	2.1	24Jul97:24Jul97	1635-TASU CREEK	H	B
183235	1635-TASU CREEK	Coho	97	23,453	0	Unk	26,953	87	1.5	26Jun98:26Jun98	1635-TASU CREEK	H	M
	Hatchery total:			178,009			219,850						

Terms:

[1]Days Held: Number of days the tagged fish were held before being examined for tag loss.

[2]Rearing Type: H = hatchery, W = wild.

[3]Study Type: M = monitoring (key or index stream), B = experimental group.

Table 26. Summary of Q.C.I. Coho CWT Recoveries[1] for All Q.C.I. Origin Release Sites[2].

Tag Recoveries:

	Total Tags	N. Canadian Troll			N. Canadian Net			N. Canadian Sport			N. Canada	Alaskan Troll					Alaskan Net							Ak Sport	Alaska
Year	Recovered (ALL AREAS)	QCI	North Coast	Total	QCI	North Coast	Total	Total QCI[1]	North Coast	Total[4]	Total	NE	NW	SE	SW	Total	101	102	103	104	106	112	Total	Total	Total
1983	1170	785	201	986	9	15	24	36	3	39	1049	0	20	37	10	67	12	3	0	39	0	0	54	0	121
1984	464	213	64	277	22	4	26	134	0	134	437	0	10	6	0	16	6	5	0	0	0	0	11	0	27
1985	665	129	9	138	239	5	244	270	0	270	652	0	5	0	0	5	3	0	0	5	0	0	8	0	13
1986	417	74	26	100	271	0	271	34	0	34	405	0	12	0	0	12	0	0	0	0	0	0	0	0	12
1987	2844	1128	290	1418	451	0	451	929	0	929	2798	0	6	8	20	34	5	0	0	7	0	0	12	0	46
1988	5633	1572	107	1679	407	0	407	3532	0	3532	5618	0	3	2	3	8	4	0	0	0	3	0	7	0	15
1989	3451	1578	82	1660	592	55	647	1037	5	1042	3349	5	27	10	13	55	15	5	0	20	1	6	47	0	102
1990	6543	3371	411	3782	1221	26	1247	854	74	928	5957	10	112	63	90	275	17	10	8	259	4	0	298	13	586
1991	4133	2181	30	2211	1001	35	1036	455	24	479	3726	3	189	18	101	311	14	0	2	78	2	0	96	0	407
1992	6717	3881	69	3950	1239	47	1286	1115	22	1137	6373	0	208	14	26	248	8	7	0	81	0	0	96	0	344
1993	2973	1557	43	1600	428	58	486	428	5	433	2519	18	115	39	139	311	16	2	6	115	4	0	143	0	454
1994	4563	2377	164	2541	272	171	443	517	80	597	3581	9	271	73	309	662	16	0	0	275	14	0	305	15	982
1995	1728	853	238	1091	314	52	366	187	7	194	1651	2	34	3	13	52	7	0	0	14	4	0	25	0	77
1996	614	331	104	435				56	8	64	499	3	42	5	25	75	6	0	0	34	0	0	40	0	115
1997	1596	1060	56	1116				130	27	157	1273	6	175	25	39	245	3	0	0	45	0	0	48	30	323

Proportions:

	N. Canadian Troll			N. Canadian Net			N. Canadian Sport			N. Canada	Alaskan Troll					Alaskan Net							Ak Sport	Alaska
Year	QCI	North Coast	Total	QCI	North Coast	Total	Total QCI	North Coast	Total	Total	NE	NW	SE	SW	Total	101	102	103	104	106	112	Total	Total	Total
1983	.67	.17	.84	.01	.01	.02	.03	.00	.03	.90	.00	.02	.03	.01	.06	.01	.00	.00	.03	.00	.00	.05	.00	.10
1984	.46	.14	.60	.05	.01	.06	.29	.00	.29	.94	.00	.02	.01	.00	.03	.01	.01	.00	.00	.00	.00	.02	.00	.06
1985	.19	.01	.21	.36	.01	.37	.41	.00	.41	.98	.00	.01	.00	.00	.01	.00	.00	.00	.01	.00	.00	.01	.00	.02
1986	.18	.06	.24	.65	.00	.65	.08	.00	.08	.97	.00	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.03
1987	.40	.10	.50	.16	.00	.16	.33	.00	.33	.98	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02
1988	.28	.02	.30	.07	.00	.07	.63	.00	.63	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1989	.46	.02	.48	.17	.02	.19	.30	.00	.30	.97	.00	.01	.00	.00	.02	.00	.00	.00	.01	.00	.00	.01	.00	.03
1990	.52	.06	.58	.19	.00	.19	.13	.01	.14	.91	.00	.02	.01	.01	.04	.00	.00	.00	.04	.00	.00	.05	.00	.09
1991	.53	.01	.53	.24	.01	.25	.11	.01	.12	.90	.00	.05	.00	.02	.08	.00	.00	.00	.02	.00	.00	.02	.00	.10
1992	.58	.01	.59	.18	.01	.19	.17	.00	.17	.95	.00	.03	.00	.00	.04	.00	.00	.00	.01	.00	.00	.01	.00	.05
1993	.52	.01	.54	.14	.02	.16	.14	.00	.15	.85	.01	.04	.01	.05	.10	.01	.00	.00	.04	.00	.00	.05	.00	.15
1994	.52	.04	.56	.06	.04	.10	.11	.02	.13	.78	.00	.06	.02	.07	.15	.00	.00	.00	.06	.00	.00	.07	.00	.22
1995	.49	.14	.63	.18	.03	.21	.11	.00	.11	.96	.00	.02	.00	.01	.03	.00	.00	.00	.01	.00	.00	.01	.00	.04
1996	.54	.17	.71				.09	.01	.10	.81	.00	.07	.01	.04	.12	.01	.00	.00	.06	.00	.00	.07	.00	.19
1997	.66	.04	.70				.08	.02	.10	.80	.00	.11	.02	.02	.15	.00	.00	.00	.03	.00	.00	.03	.02	.20
Mean (all years)[3]	.466	.067	.533	.190	.012	.201	.200	.005	.206	.913	.001	.032	.008	.017	.058	.004	.001	.000	.021	.001	.000	.027	.002	.087

[1]Recoveries are presented as 'Estimated Adjusted' CWT recoveries.

[2]Inlcudes Cumshewa Inlet sport, net and troll fisheries that either target on enhanced Cumshewa coho or fisheries in Cumshewa harvesting other species but encountering large numbers of enhanced Coho due to overlapping migration timing.

[3]Proportions do not add up to 1 due to errors associated with rounding and averaging of data.

Table 27. Summary of Q.C.I CWT Release Sites, Including Geographic Location (Management Area) and Statistical Area Information.

RELEASE SITE	MANAGEMENT AREA	STATISTICAL AREA	COMMENTS
Chown Brook Creek	Outside Waters	1	Tributary of Sangan River
Sangan River	Outside Waters	1	
Gold Creek	Masset	1	Tributary of Yakoun River
King Creek	Masset	1	Tributary of Yakoun River
Marie Lake	Masset	1	Tributary of Yakoun River
Deena River	Skidegate	2E	
Haans Creek	Skidegate	2E	
Sachs Creek	Skidegate	2E	
Copper Creek	Copper	2E	
Braverman Creek	Cumshewa	2E	
Mathers Creek	Cumshewa	2E	
Fukwa Creek	Cumshewa	2E	Tributary of Mathers Creek
Pallant Creek	Cumshewa	2E	
Mosquito Creek	Cumshewa	2E	Tributary of Pallant Creek
Mosquito Lake	Cumshewa	2E	Tributary of Pallant Creek
Pallant Creek - Lower	Cumshewa	2E	
Pallant Creek - Upper	Cumshewa	2E	
Deer Bay	Cumshewa	2E	Pallant Cr. Hatchery netpen site (Hd. Of Gilatt Arm)
Sewel Head Creek	Selwyn	2E	
Coates Creek	Athlo - Otard	2W	
Tasu + Flat Creek	Tasu	2W	
Tasu Creek	Tasu	2W	

Table 28. Summary of Q.C.I Coho CWT Recoveries[1] with Recoveries from Cumshewa Inlet Release Sites Removed from Cumshewa Inlet Sport, Net and Troll Fisheries[2].

Tag Recoveries:

	Total Tags	N. Canadian Troll			N. Canadian Net			N. Canadian Sport			N. Canada	Alaskan Troll					Alaskan Net							Ak Sport	Alaska
Year	Recovered (ALL AREAS)	QCI	North Coast	Total	QCI	North Coast	Total	QCI	North Coast	Total	Total	NE	NW	SE	SW	Total	101	102	103	104	106	112	Total	Total	Total
1983	1051	702	201	903	9	15	24	0	3	3	930	0	20	37	10	67	12	3	0	39	0	0	54	0	121
1984	291	143	64	207	8	4	12	45	0	45	264	0	10	6	0	16	6	5	0	0	0	0	11	0	27
1985	163	98	9	107	22	5	27	16	0	16	150	0	5	0	0	5	3	0	0	5	0	0	8	0	13
1986	114	56	26	82	13	0	13	7	0	7	102	0	12	0	0	12	0	0	0	0	0	0	0	0	12
1987	1111	634	290	924	15	0	15	126	0	126	1065	0	6	8	20	34	5	0	0	7	0	0	12	0	46
1988	460	323	107	430	0	0	0	15	0	15	445	0	3	2	3	8	4	0	0	0	3	0	7	0	15
1989	478	228	82	310	3	55	58	3	5	8	376	5	27	10	13	55	15	5	0	20	1	6	47	0	102
1990	3298	2140	411	2551	56	26	82	5	74	79	2712	10	112	63	90	275	17	10	8	259	4	0	298	13	586
1991	2669	1498	30	1528	589	35	624	86	24	110	2262	3	189	18	101	311	14	0	2	78	2	0	96	0	407
1992	1948	1241	69	1310	23	47	70	202	22	224	1604	0	208	14	26	248	8	7	0	81	0	0	96	0	344
1993	1558	941	43	984	6	58	64	51	5	56	1104	18	115	39	139	311	16	2	6	115	4	0	143	0	454
1994	3164	1652	164	1816	83	171	254	32	80	112	2182	9	271	73	309	662	16	0	0	275	14	0	305	15	982
1995	642	254	238	492	8	52	60	6	7	13	565	2	34	3	13	52	7	0	0	14	4	0	25	0	77
1996	528	301	104	405				0	8	8	413	3	42	5	25	75	6	0	0	34	0	0	40	0	115
1997	1557	1060	56	1116				91	27	118	1234	6	175	25	39	245	3	0	0	45	0	0	48	36	323

Proportions:

	N. Canadian Troll			N. Canadian Net			N. Canadian Sport			N. Canada	Alaskan Troll					Alaskan Net							Ak Sport	Alaska
Year	QCI	North Coast	Total	QCI	North Coast	Total	QCI	North Coast	Total	Total	NE	NW	SE	SW	Total	101	102	103	104	106	112	Total	Total	Total
1983	.67	.19	.86	.01	.01	.02	.00	.00	.00	.88	.00	.02	.04	.01	.06	.01	.00	.00	.04	.00	.00	.05	.00	.12
1984	.49	.22	.71	.03	.01	.04	.15	.00	.15	.91	.00	.03	.02	.00	.05	.02	.02	.00	.00	.00	.00	.04	.00	.09
1985	.60	.06	.66	.13	.03	.17	.10	.00	.10	.92	.00	.03	.00	.00	.03	.02	.00	.00	.03	.00	.00	.05	.00	.08
1986	.49	.23	.72	.11	.00	.11	.06	.00	.06	.89	.00	.11	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.11
1987	.57	.26	.83	.01	.00	.01	.11	.00	.11	.96	.00	.01	.01	.02	.03	.00	.00	.00	.01	.00	.00	.01	.00	.04
1988	.70	.23	.93	.00	.00	.00	.03	.00	.03	.97	.00	.01	.00	.01	.02	.01	.00	.00	.00	.01	.00	.02	.00	.03
1989	.48	.17	.65	.01	.12	.12	.01	.01	.02	.79	.01	.06	.02	.03	.12	.03	.01	.00	.04	.00	.01	.10	.00	.21
1990	.65	.12	.77	.02	.01	.02	.00	.02	.02	.82	.00	.03	.02	.03	.08	.01	.00	.00	.08	.00	.00	.09	.00	.18
1991	.56	.01	.57	.22	.01	.23	.03	.01	.04	.85	.00	.07	.01	.04	.12	.01	.00	.00	.03	.00	.00	.04	.00	.15
1992	.64	.04	.67	.01	.02	.04	.10	.01	.11	.82	.00	.11	.01	.01	.13	.00	.00	.00	.04	.00	.00	.05	.00	.18
1993	.60	.03	.63	.00	.04	.04	.03	.00	.04	.71	.01	.07	.03	.09	.20	.01	.00	.00	.07	.00	.00	.09	.00	.29
1994	.52	.05	.57	.03	.05	.08	.01	.03	.04	.69	.00	.09	.02	.10	.21	.01	.00	.00	.09	.00	.00	.10	.00	.31
1995	.40	.37	.77	.01	.08	.09	.01	.01	.02	.88	.00	.05	.00	.02	.08	.01	.00	.00	.02	.01	.00	.04	.00	.12
1996	.57	.20	.77				.00	.02	.02	.78	.01	.08	.01	.05	.14	.01	.00	.00	.06	.00	.00	.08	.00	.22
1997	.68	.04	.72				.06	.02	.08	.79	.00	.11	.02	.03	.16	.00	.00	.00	.03	.00	.00	.03	.02	.21
Mean (all years)[3]	.575	.148	.722	.046	.030	.076	.048	.009	.056	.844	.003	.058	.013	.028	.102	.010	.003	.000	.035	.002	.001	.051	.002	.156

[1]Recoveries are presented as 'Estimated Adjusted' CWT recoveries.

[2]Recoveries from the Cumshewa Inlet sport fishery and recoveries from the 2 East commercial troll and net fisheries of Cumshewa Inlet origin were removed to reduce the bias resulting from fisheries in Cumshewa Inlet that either target on this enhanced stock or fisheries in Cumshewa harvesting other species but encounter large numbers of enhanced coho due to overlapping migration timing.
The assumption made for 2 East commercial troll and net fisheries was that a very high proportion of recoveries of Cumshewa Inlet origin tags were a result from fisheries occuring in Cumshewa Inlet.

[3]Proportions do not add up to 1 due to errors associated with rounding and averaging of data.

Table 29. Summary of the Mark Recovery Program Statistical Area Codes, with Corresponding Statistical Area Groupings and Geographic Location.

MRP STAT. AREA CODE	STAT. AREA (GROUPINGS)	GEOGRAPHIC LOCATION
1	1	QCI
2E	2E	QCI
2W	2W	QCI
35	1 + 2W	QCI
36	1 + 2E	QCI
40	1 + 2E + 2W	QCI
41	2E + 2W	QCI
3	3	NORTH COAST
4	4	NORTH COAST
5	5	NORTH COAST
68	3 + 4	NORTH COAST
71	3 + 4 + 5	NORTH COAST
72	3 + 5	NORTH COAST
74	4 + 5	NORTH COAST
33	1 + 2E + 2W + 3 + 4 + 5	MIXED NORTH COAST + QCI
37	1 + 2E + 3	MIXED NORTH COAST + QCI
38	1 + 2E + 4	MIXED NORTH COAST + QCI
44	1 + 3	MIXED NORTH COAST + QCI
45	1 + 4	MIXED NORTH COAST + QCI
42	2W + 3	MIXED NORTH COAST + QCI
51	2E + 4 + 5	MIXED NORTH COAST + QCI
58	2E + 3	MIXED NORTH COAST + QCI
59	2E + 4	MIXED NORTH COAST + QCI
61	2E + 5	MIXED NORTH COAST + QCI
6	6	NORTH CENTRAL
7	7	NORTH CENTRAL
8	8	NORTH CENTRAL
9	9	NORTH CENTRAL
83	7 + 8	NORTH CENTRAL
91	9 + 10	NORTH CENTRAL
10	10	SOUTH CENTRAL
11	11	SOUTH CENTRAL
12	12	QUEEN CHARLOTTE STRIAT/JOHNSTONE STRAIT
98	12 + 13	QUEEN CHARLOTTE STRIAT/JOHNSTONE STRAIT
79	10 + 11 + 12	MIXED S. CENTRAL + JOHNSTONE STRAIT
14	14	SE VANCOUVER ISLAND
23	23	SW VANCOUVER ISLAND
24	24	SW VANCOUVER ISLAND
25	25	NW VANCOUVER ISLAND
26	26	NW VANCOUVER ISLAND
27	27	NW VANCOUVER ISLAND
120	25 + 26	NW VANCOUVER ISLAND
121	26 + 27	NW VANCOUVER ISLAND
52	25 + 26 + 27	NW VANCOUVER ISLAND

Table 30. Comparison of Commercial Troll Saleslip Catch Data (Lagged back 1 week) vs. Corrected Commercial Troll Saleslip Data (Albert Wong) for Statistical Area 1.

YEAR	AREA	51	52	53	54	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104	105	TOTAL
1988	1 ss lagged back 1 wk								62	11,929	37,027	38,300	32,864	26,349	17,594	21,225	8,650	2,107	15,178	1,619	87							212,991
1989	1 ss lagged back 1 wk								36,126	94,735	54,514	38,193	21,885	28,788	31,898	14,178	14,580	6,510	826									342,233
1990	1 ss lagged back 1 wk							1,635	113,773	105,454	155,721	106,836	77,503	32,503	12,572	5,418	11,101	7,981	10,629	5,109	1,318	697						648,250
1991	1 ss lagged back 1 wk							24	52,946	97,549	160,366	76,744	83,043	86,272	3,068	19,670	22,455	25,312	14,308	9,803	4,390	1,444						657,394
1992	1 ss lagged back 1 wk								2,585	26,903	36,071	23,167	19,600	26,057	50,081	13,194	34,594	12,826	4,657	5,640	2,316	278						257,969
1993	1 ss lagged back 1 wk								142	12,970	22,008	60,757	35,570	48,397	2,913	1,765	6,233	3,595	9,410	4,647								208,407
1994	1 ss lagged back 1 wk								901	12,145	40,153	85,599	141,765	91,858	38,681	12,061	8,054	16,659	5,684	4,063	1,431	19						459,073
1988	1 PROP.							0.00	0.00	0.06	0.17	0.18	0.15	0.12	0.08	0.10	0.04	0.01	0.07	0.01	0.00	0.00	0.00					1.00
1989	1 PROP.							0.00	0.11	0.28	0.16	0.11	0.06	0.08	0.09	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00					1.00
1990	1 PROP.							0.00	0.18	0.16	0.24	0.16	0.12	0.05	0.02	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00					1.00
1991	1 PROP.							0.00	0.08	0.15	0.24	0.12	0.13	0.13	0.00	0.03	0.03	0.04	0.02	0.01	0.01	0.00	0.00					1.00
1992	1 PROP.							0.00	0.01	0.10	0.14	0.09	0.08	0.10	0.19	0.05	0.13	0.05	0.02	0.02	0.01	0.00	0.00					1.00
1993	1 PROP.							0.00	0.00	0.06	0.11	0.29	0.17	0.23	0.01	0.01	0.03	0.02	0.05	0.02	0.00	0.00	0.00					1.00
1994	1 PROP.							0.00	0.00	0.03	0.09	0.19	0.31	0.20	0.08	0.03	0.02	0.04	0.01	0.01	0.00	0.00	0.00					1.00
88-94 PORP AVG								0.00	0.05	0.12	0.16	0.16	0.15	0.13	0.07	0.04	0.05	0.03	0.03	0.01	0.00	0.00	0.00					1.00
1988	1COR									6,936	40,441	34,709	30,027	24,060	17,741	22,148	12,093	1,399	8,524	8,089								206,167
1989	1COR								5,344	92,407	66,890	45,306	33,927	21,352	27,118	23,216	14,253	7,384	2,523	0								339,720
1990	1COR								54,755	170,256	137,008	112,402	69,587	39,866	20,479	9,686	8,121	12,336	10,263	5,988	1,809	902	72					653,360
1991	1COR								20,342	117,142	126,421	118,492	78,780	72,802	26,518	11,656	20,168	27,853	19,735	12,158	5,005	2,144	218					659,434
1992	1COR									18,276	37,204	30,918	22,626	27,807	29,605	29,246	23,047	24,161	8,174	4,340	1,968							256,572
1993	1COR									9,954	38,977	40,402	41,391	36,949	11,802	4,132	2,488	8,296	7,304	5,363	383							207,441
1994	1COR									12,633	57,134	74,097	92,372	92,940	62,973	16,537	8,467	13,364	10,862	5,494	2,198							459,071
1988	1COR PROP.							0.00	0.00	0.03	0.20	0.17	0.15	0.12	0.09	0.11	0.06	0.01	0.04	0.04	0.00	0.00	0.00					1.00
1989	1COR PROP.							0.00	0.02	0.27	0.20	0.13	0.10	0.06	0.08	0.07	0.04	0.02	0.01	0.00	0.00	0.00	0.00					1.00
1990	1COR PROP.							0.00	0.08	0.26	0.21	0.17	0.11	0.06	0.03	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00					1.00
1991	1COR PROP.							0.00	0.03	0.18	0.19	0.18	0.12	0.11	0.04	0.02	0.03	0.04	0.03	0.02	0.01	0.00	0.00					1.00
1992	1COR PROP.							0.00	0.00	0.07	0.15	0.12	0.09	0.11	0.12	0.11	0.09	0.09	0.03	0.02	0.00	0.00	0.00					1.00
1993	1COR PROP.							0.00	0.02	0.05	0.19	0.19	0.20	0.18	0.06	0.02	0.01	0.04	0.04	0.03	0.00	0.00	0.00					1.00
1994	1COR PROP.							0.00	0.00	0.03	0.15	0.16	0.20	0.20	0.14	0.04	0.02	0.03	0.02	0.01	0.00	0.00	0.00					1.00
88-94 COR PROP. AVG								0.00	0.02	0.13	0.18	0.16	0.14	0.12	0.08	0.05	0.04	0.04	0.03	0.02	0.00	0.00	0.00					1.00

	51	52	53	54	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104	105	
88-94 PORP AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.12	0.16	0.16	0.15	0.13	0.07	0.04	0.05	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
88-94 COR PROP. AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.18	0.16	0.14	0.12	0.08	0.05	0.04	0.04	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

Table 31. Calculation of Seine Fishing Hours.

JUNE	SUNRISE	SUNSET
01-Jun	5:12 AM	10:05 PM
10-Jun	5:06 AM	10:14 PM
20-Jun	5:05 AM	10:19 PM
30-Jun	5:10 AM	10:19 PM
MEAN VALUE:	5:08 AM	10:14 PM
JULY		
01-Jul	5:11 AM	10:18 PM
10-Jul	5:20 AM	10:12 PM
20-Jul	5:34 AM	10:00 PM
30-Jul	5:50 AM	9:44 PM
MEAN VALUE:	5:28 AM	10:03 PM
AUGUST		
01-Aug	5:53 AM	9:40 PM
10-Aug	6:09 AM	9:22 PM
20-Aug	6:27 AM	9:00 PM
30-Aug	6:45 AM	8:36 PM
MEAN VALUE:	6:18 AM	9:09 PM
SEPTEMBER		
01-Sep	6:49 AM	8:31 PM
10-Sep	7:05 AM	8:09 PM
20-Sep	7:23 AM	7:44 PM
30-Sep	7:42 AM	7:19 PM
MEAN VALUE:	7:14 AM	7:55 PM

VALUES USED TO CALCULATE SEINE "HOURS FISHED":

	START LIGHT	END LIGHT
JUNE:	4:30 AM	11:00 PM
JULY:	5:00 AM	11:00 PM
AUGUST:	5:30 AM	10:30 PM
SEPTEMBER:	6:00 AM	9:30 PM

(includes pre-sunrise "dawn" and post-sunset "dusk" time).

VALUES USED IN DATASET:
TYPICAL 6PM TO 6PM (24 HR.) FISHERY:

	SN HRS FISHED	GN HRS FISHED
JUNE:	18.5	24
JULY:	18.0	24
AUGUST:	17.0	24
SEPTEMBER:	15.5	24

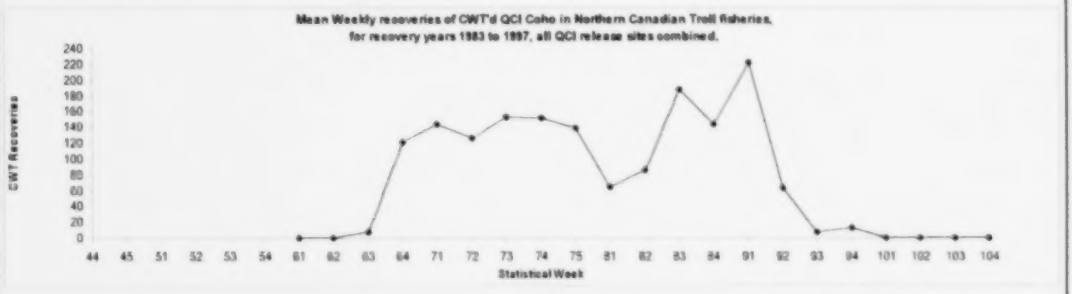
Note: If a SN fishery falls between two months, the month with the highest number of 'light" hours is used.

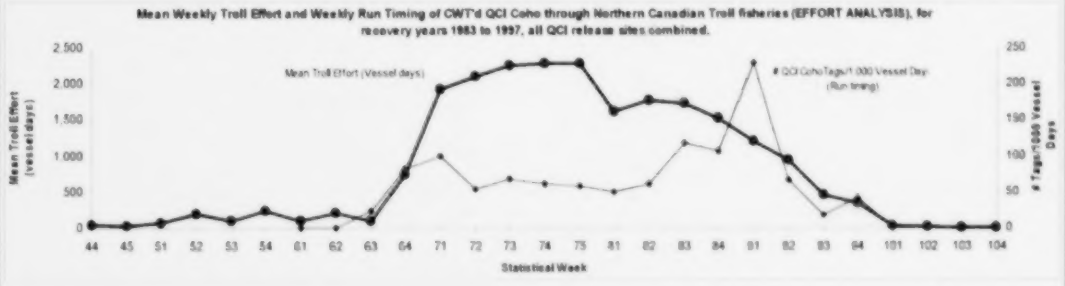
Table 32. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEAR TYPE	NORTHERN CANADA TROLL (FREEZER + ICE + DAY).
STATISTICAL AREA(S)	1, 2E, 2W, 3, 4, 5.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.

NOTE: DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																									
	44	45	51	52	53	54	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES							0.00	0.00	7.80	121.14	144.27	126.00	152.87	151.60	138.60	63.93	85.80	188.07	143.80	221.71	63.38	7.69	12.45	0.00	0.00	0.00	0.00
MEAN EFFORT	41	26	69	187	95	231	98	213	95	740	1,922	2,102	2,245	2,273	2,284	1,614	1,771	1,726	1,525	1,200	937	457	342	28	12	2	4
MEAN COHO CATCH	0	0	0	0	0	0	51	595	11,478	32,206	69,177	77,098	74,191	69,260	58,170	34,470	26,796	29,774	25,851	19,489	14,574	6,058	3,963	106	236	137	41
# TAGS/1,000 VESSEL DAYS							0.00	0.00	23.43	82.05	99.46	53.50	67.95	61.09	58.01	49.48	60.79	117.00	106.91	228.71	65.63	18.39	41.61	0.00	0.00	0.00	0.00
# TAGS/1,000 COHO CAUGHT							0.00	0.00	0.44	3.00	3.63	1.91	2.77	2.31	2.06	2.69	3.22	6.04	5.98	18.77	4.90	4.98	2.77	0.00	0.00	0.00	0.00


Mean Weekly recoveries of CWT'd QCI Coho in Northern Canadian Troll fisheries, for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Weekly Troll Effort and Weekly Run Timing of CWT'd QCI Coho through Northern Canadian Troll fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel days)
QCI Coho Tags/1,000 Vessel Days (Run timing)
Mean Troll Effort (vessel days)
Tags/1000 Vessel Days
Statistical Week

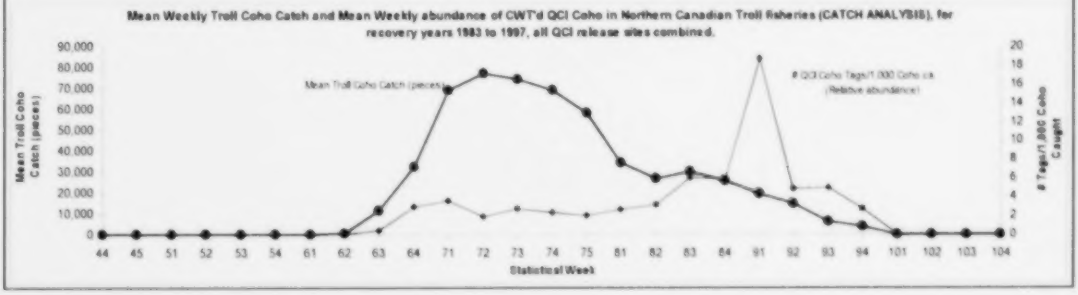
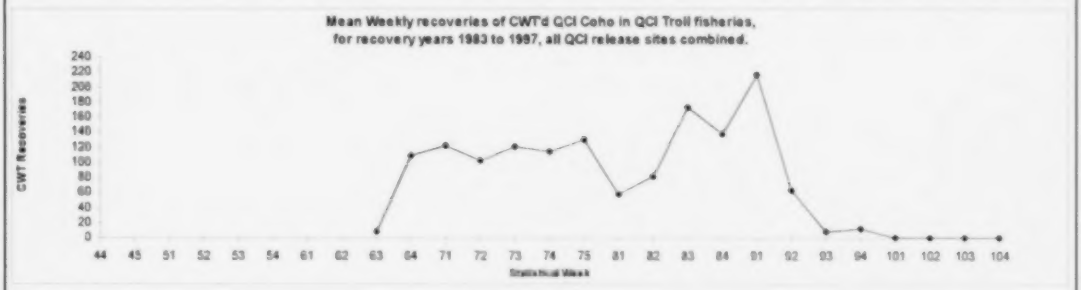
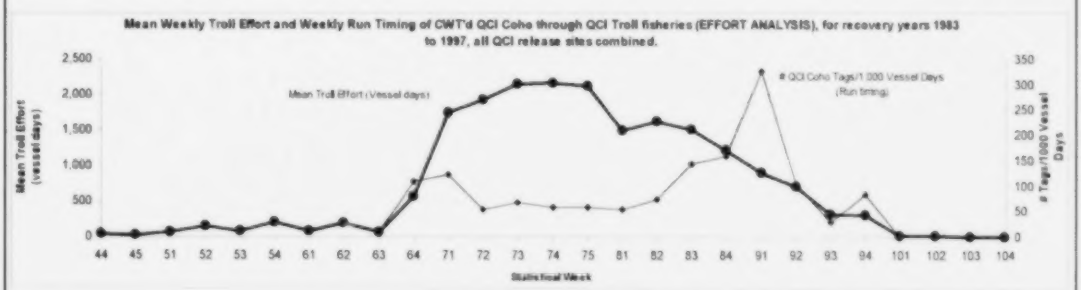

Mean Weekly Troll Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Northern Canadian Troll fisheries (CATCH ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (pieces)
QCI Coho Tags/1,000 Coho cx (Relative abundance)
Mean Troll Coho Catch (pieces)
Tags/1,000 Coho Caught
Statistical Week

Table 33. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	QCI TROLL (FREEZER + ICE + DAY).
STATISTICAL AREA(S)	1, 2E, 2W.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
NOTE:	DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																							
	44	45	51	52	53	54	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES									7.25	108.85	121.53	102.47	120.40	114.07	129.47	57.80	81.07	173.27	138.07	216.21	63.15	7.31	11.91	0.00	0.00	0.00	0.00
MEAN EFFORT	40	23	64	[illegible]	78	[illegible]	79	[illegible]	63	571	1,744	1,926	2,153	2,161	2,131	1,505	1,632	1,515	1,216	897	713	325	307	17	10	2	4.00
MEAN COHO CATCH	0	0	0	0	0	0	0	0	10,648	23,738	53,739	64,806	68,659	63,817	53,158	30,674	23,305	24,971	18,394	11,763	8,425	3,695	3,093	133	185	137	41.00
# TAGS/1000 VESSEL DAYS									8.84	109.83	121.59	54.26	67.43	57.89	59.28	55.15	74.03	143.74	158.48	327.43	105.81	29.36	64.46	0.00	0.00	0.00	0.00
# TAGS/1000 COHO CAUGHT									0.14	4.31	4.16	1.88	2.86	2.40	2.26	3.04	3.95	7.98	9.95	24.00	8.54	5.59	7.53	0.00	0.00	0.00	0.00




Mean Weekly Troll Effort and Weekly Run Timing of CWT'd QCI Coho through QCI Troll fisheries (EFFORT ANALYSIS), for recovery years 1983
to 1997, all QCI release sites combined.
Mean Troll Effort (vessel days)
2,500
2,000
1,500
1,000
500
0
QCI Coho Tags/1,000 Vessel Days
(Run timing)
350
300
250
200
150
100
50
0
Tags/1000 Vessel Days
44 45 51 52 53 54 61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104

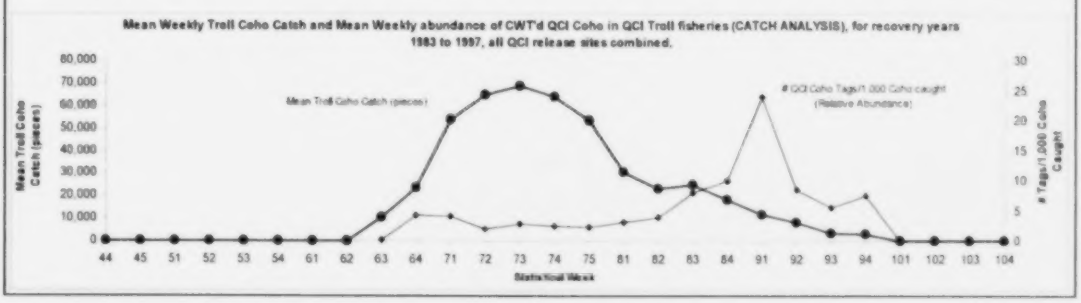
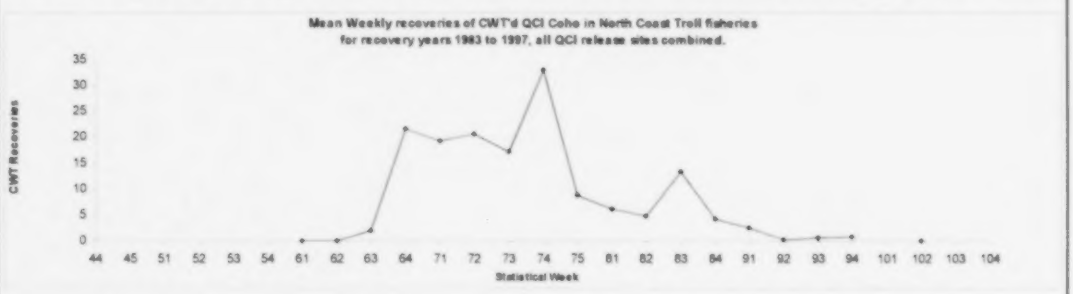


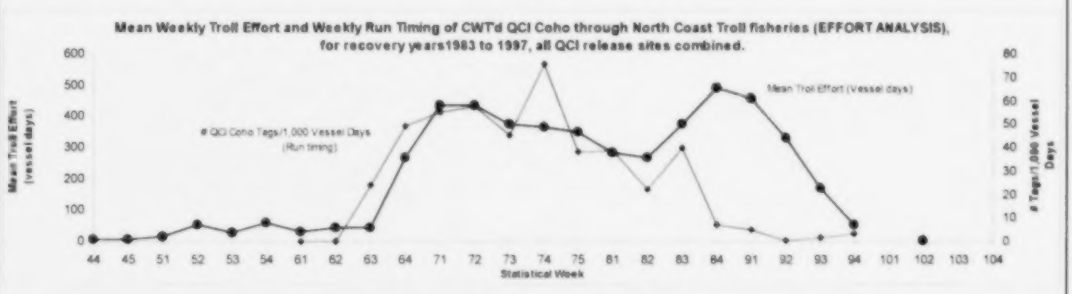
Table 34. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	NORTH COAST TROLL (FREEZER + ICE + DAY).
STATISTICAL AREA(S)	3, 4 and 5.
RECOVERY YEAR(S)	1983 TO 1997
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO

NOTE: DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																									
	44	45	51	52	53	54	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES							0.00	0.00	2.00	21.62	19.27	20.67	17.13	33.07	8.80	6.13	4.73	13.47	4.13	2.54	0.27	0.63	0.86		0.00		
MEAN EFFORT	6	6	14	53	29	59	31	46	45	268	434	434	375	368	350	264	267	374	493	458	333	171	55		2		
MEAN COHO CATCH	0	0	0	0	0	0	51	595	3,125	9,119	15,439	17,432	15,424	14,678	12,769	8,382	7,063	8,773	10,903	9,620	8,502	4,597	1,934		438		
# TAGS/1,000 VESSEL DAYS							0.00	0.00	24.10	49.13	54.96	57.72	45.57	75.94	38.19	38.63	22.13	38.97	7.17	5.23	0.28	1.78	3.54		0.00		
# TAGS/1,000 COHO CAUGHT							0.00	0.00	0.48	1.42	2.40	1.52	1.05	3.01	0.73	1.31	0.79	2.99	0.31	0.53	0.02	0.11	0.27		0.00		


Mean Weekly recoveries of CWT'd QCI Coho in North Coast Troll fisheries
for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Weekly Troll Effort and Weekly Run Timing of CWT'd QCI Coho through North Coast Troll fisheries (EFFORT ANALYSIS),
for recovery years1983 to 1997, all QCI release sites combined.
Mean Troll Effort (vessel days)
QCI Coho Tags/1,000 Vessel Days (Run timing)
Mean Troll Effort (vessel days)
Tags/1,000 Vessel Days
Statistical Week

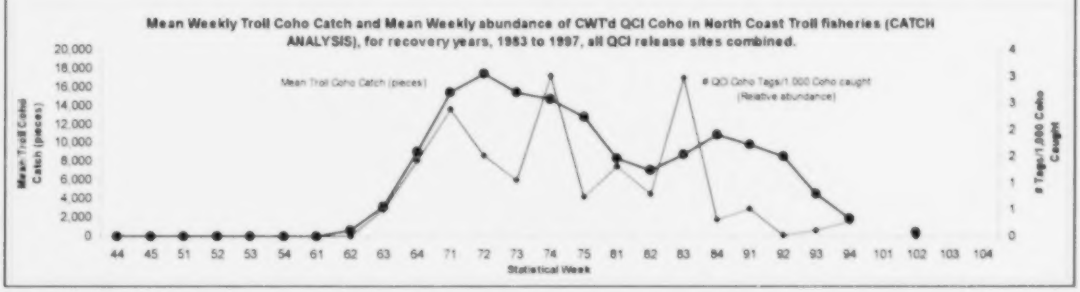
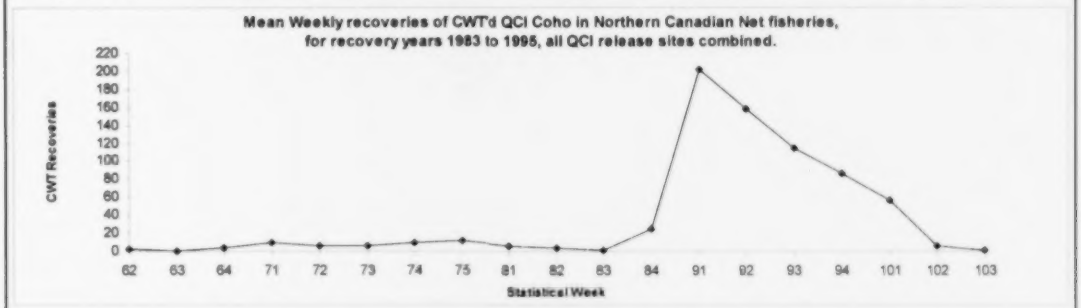
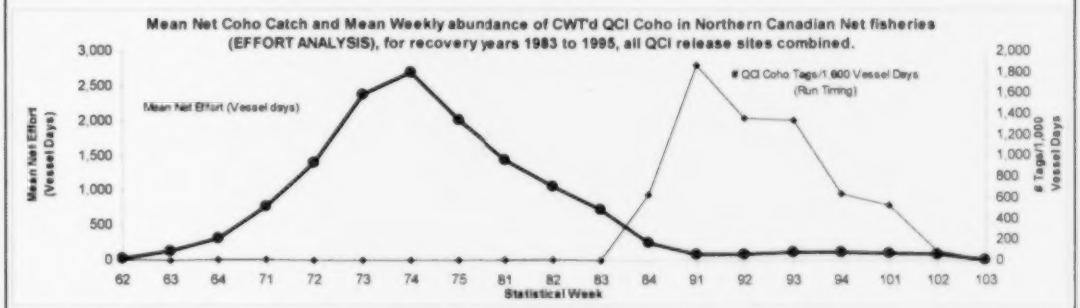

Mean Weekly Troll Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in North Coast Troll fisheries (CATCH
ANALYSIS), for recovery years, 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (pieces)
QCI Coho Tags/1,000 Coho caught (Relative abundance)
Mean Troll Coho Catch (pieces)
Tags/1,000 Coho Caught
Statistical Week

Table 35. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Net Gear. Mean Recoveries for Years 1983 to 1995 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	NORTHERN CANADA NET (GN + SN).
STATISTICAL AREA(S)	1, 2E, 2W, 3, 4, 5.
RECOVERY YEAR(S)	1983 TO 1995.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
NET EFFORT	MEAN OF WEEKLY VALUES FOR NET EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1995.
NET COHO CATCH	MEAN OF WEEKLY VALUES FOR NET CATCH (PIECES) FOR THE YEARS 1983 TO 1995.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.

	STATISTICAL WEEK																		
	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103
MEAN TAG RECOVERIES	2.00	0.20	3.71	9.33	5.58	6.31	9.69	11.38	6.15	3.00	0.92	25.42	202.25	158.70	114.25	86.82	56.22	6.22	1.00
MEAN EFFORT	25	137	319	776	1,384	2,383	2,692	2,013	1,445	1,058	731	262	87	90	125	121	100	86	21
MEAN COHO CATCH	48	160	1,288	3,931	5,615	19,947	26,211	27,934	23,154	16,061	11,792	5,259	3,069	2,314	1,598	1,990	1,672	1,202	134
# TAGS/1,000 VESSEL DAYS	6.27	0.31	6.06	8.98	2.70	2.12	3.94	5.04	6.03	5.49	3.02	626.97	1,870.99	1,355.57	1,337.91	643.64	525.00	94.90	11.01
# TAGS/1,000 COHO CAUGHT	3.18	0.26	1.68	1.34	0.64	0.29	0.26	0.28	0.28	0.23	0.10	76.31	105.57	100.12	94.89	42.14	32.05	6.10	1.33


Mean Weekly recoveries of CWT'd QCI Coho in Northern Canadian Net fisheries,
for recovery years 1983 to 1995, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Northern Canadian Net fisheries
(EFFORT ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
Mean Net Effort (Vessel days)
QCI Coho Tags/1,000 Vessel Days
(Run Timing)
Mean Net Effort (Vessel Days)
Tags/1,000 Vessel Days
Statistical Week

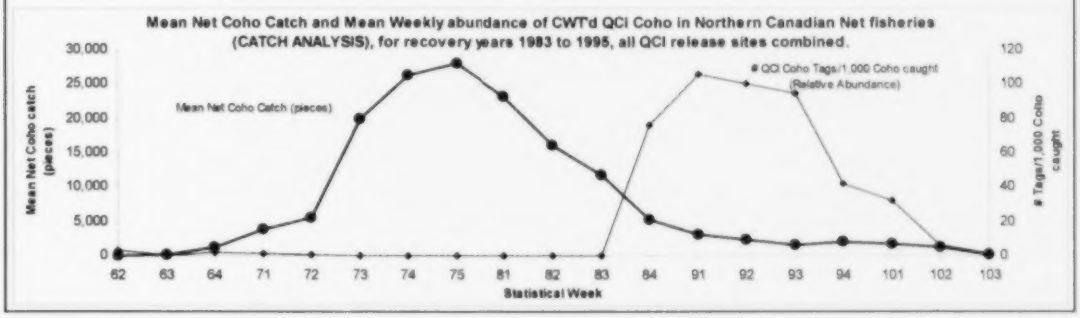
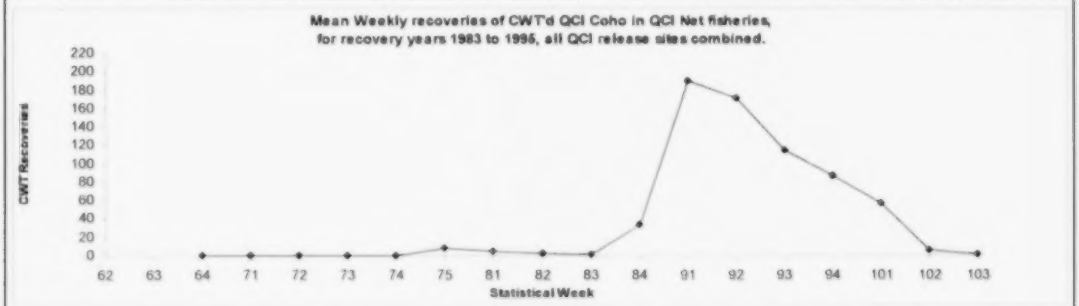
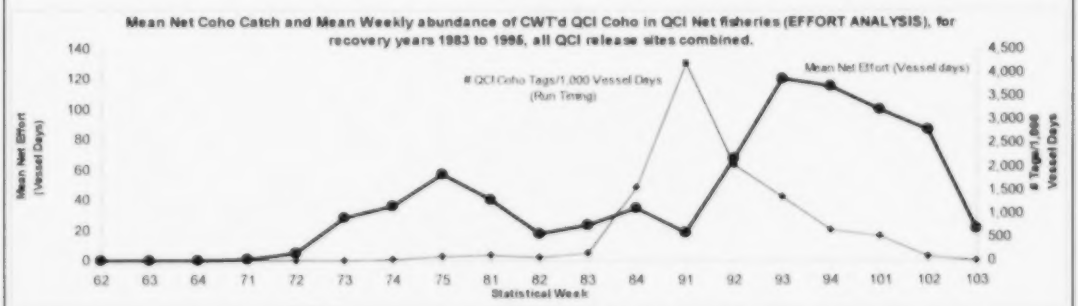

Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Northern Canadian Net fisheries
(CATCH ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
Mean Net Coho Catch (pieces)
QCI Coho Tags/1,000 Coho caught
(Relative Abundance)
Mean Net Coho catch (pieces)
Tags/1,000 Coho caught
Statistical Week

Table 36. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Net Gear. Mean Recoveries for Years 1983 to 1995 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	Q.C.I. NET (GN + SN).
STATISTICAL AREA(S)	1, 2E, 2W.
RECOVERY YEAR(S)	1983 TO 1995.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
NET EFFORT	MEAN OF WEEKLY VALUES FOR NET EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1995.
NET COHO CATCH	MEAN OF WEEKLY VALUES FOR NET CATCH (PIECES) FOR THE YEARS 1983 TO 1995.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.

	STATISTICAL WEEK																	
	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103
MEAN TAG RECOVERIES			0.00	0.00	0.00	0.00	0.54	8.38	4.67	2.36	1.09	33.44	190.25	171.44	114.08	86.82	56.22	6.22	1.00
MEAN EFFORT	0	0	0	1	5	28	36	57	40	17	23	35	18	68	120	115	100	86	21
MEAN COHO CATCH	0	0	1	5	16	2,472	2,354	4,499	2,016	1,072	532	379	852	1,518	1,497	1,772	1,672	1,202	134
# TAGS/1,000 VESSEL DAYS			0.00	0.00	0.00	0.00	17.95	92.47	114.06	73.20	150.70	1,560.92	4,215.25	2,028.08	1,350.72	647.52	525.00	94.90	11.01
# TAGS/1,000 COHO CAUGHT			0.00	0.00	0.00	0.00	0.09	0.85	1.40	1.71	1.63	116.41	148.92	175.52	100.07	46.09	32.05	6.10	1.33


Mean Weekly recoveries of CWT'd QCI Coho in QCI Net fisheries, for recovery years 1983 to 1995, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in QCI Net fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
QCI Coho Tags/1,000 Vessel Days (Run Timing)
Mean Net Effort (Vessel days)
Mean Net Effort (Vessel Days)
Tags/1,000 Vessel Days
Statistical Week

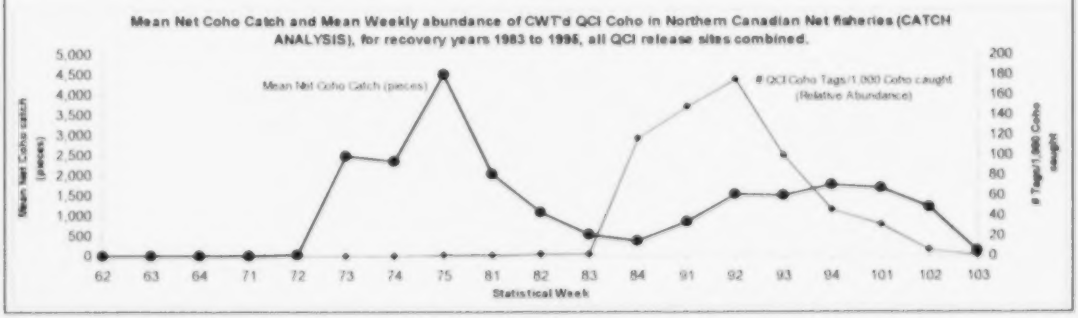
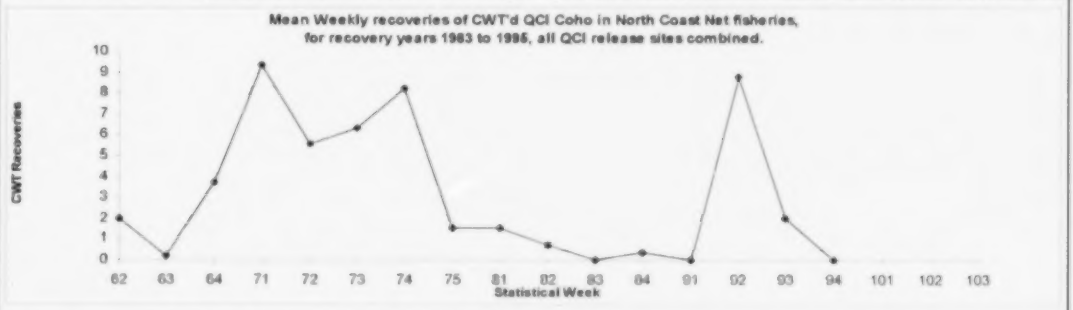
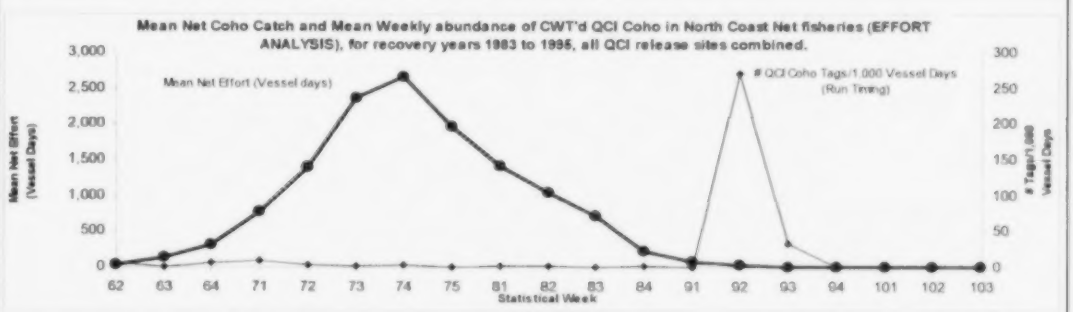

Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Northern Canadian Net fisheries (CATCH ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
Mean Net Coho Catch (pieces)
QCI Coho Tags/1,000 Coho caught (Relative Abundance)
Mean Net Coho catch (pieces)
Tags/1,000 Coho caught
Statistical Week

Table 37. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Net Gear. Mean Recoveries for Years 1983 to 1995 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	North Coast NET (GN + SN).
STATISTICAL AREA(S)	3, 4, 5.
RECOVERY YEAR(S)	1983 TO 1995.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
NET EFFORT	MEAN OF WEEKLY VALUES FOR NET EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1995.
NET COHO CATCH	MEAN OF WEEKLY VALUES FOR NET CATCH (PIECES) FOR THE YEARS 1983 TO 1995.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.

	STATISTICAL WEEK																	
	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103
MEAN TAG RECOVERIES	2.00	0.20	3.71	9.33	5.58	6.31	8.23	1.54	1.54	0.69	0.00	0.36	0.00	8.80	2.00	0.00			
MEAN EFFORT	25	137	318	775	1,389	2,355	2,656	1,956	1,405	1,042	708	227	69	23	5	6	0	0	0
MEAN COHO CATCH	48	160	1,288	3,926	5,599	17,475	23,858	23,435	21,138	14,989	11,260	4,880	2,217	795	101	218	0	0	0
# TAGS/1,000 VESSEL DAYS	6.27	0.31	6.07	8.98	2.71	2.13	3.30	0.69	1.48	1.30	0.00	1.37	0.00	270.77	32.09	0.00			
# TAGS/1,000 COHO CAUGHT	3.18	0.26	1.68	1.34	0.65	0.30	0.19	0.05	0.08	0.06	0.00	0.09	0.00	4.23	1.52	0.00			


Mean Weekly recoveries of CWT'd QCI Coho in North Coast Net fisheries, for recovery years 1983 to 1995, all QCI release sites combined.
CWT Recoveries
Statistical Week
62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103


Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in North Coast Net fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
Mean Net Effort (Vessel days)
QCI Coho Tags/1,000 Vessel Days (Run Timing)
Mean Net Effort (Vessel Days)
Tags/1,000 Vessel Days
Statistical Week
62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103

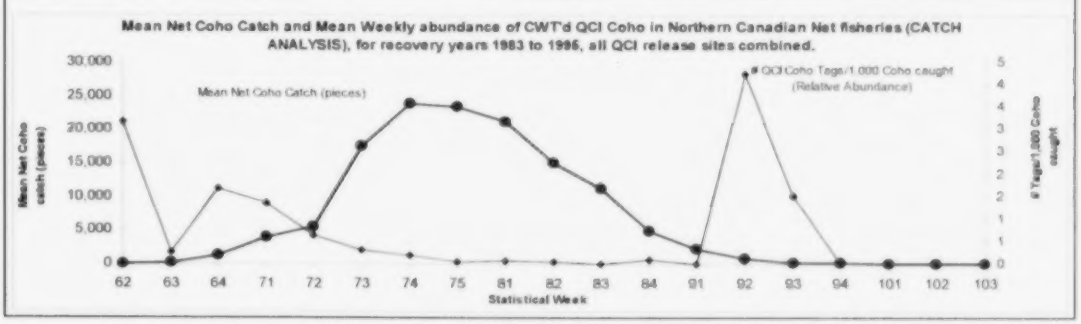
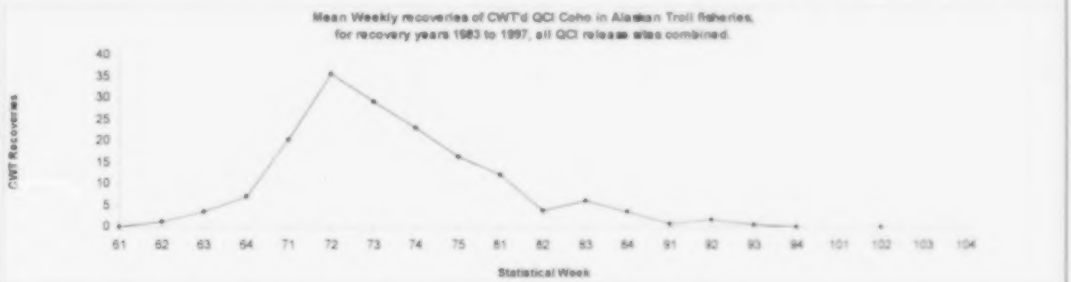
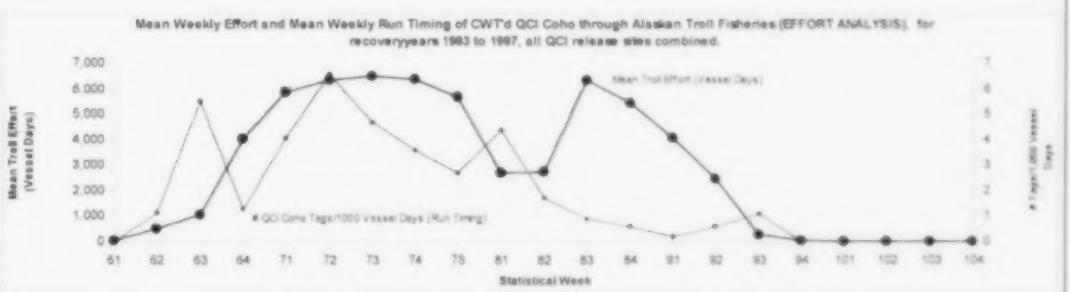

Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Northern Canadian Net fisheries (CATCH ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
Mean Net Coho Catch (pieces)
QCI Coho Tags/1,000 Coho caught (Relative Abundance)
Mean Net Coho catch (pieces)
Tags/1,000 Coho caught
Statistical Week
62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103

Table 38. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEAR TYPE	ALASKAN TROLL (FREEZER + ICE + DAY)
RECOVERY AREA(S)	NE, NW, SE, SW QUADRANTS COMBINED
RECOVERY YEAR(S)	1983 TO 1997
TAG GROUP	QCI
BROOD YEAR(S)	ALL
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO
NOTE:	DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

STATISTICAL WEEK	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES	0.00	1.14	3.40	6.87	20.20	35.67	29.13	22.93	16.33	12.00	3.77	5.83	3.40	0.87	1.67	0.50	0.00		0.00		
MEAN EFFORT	53	518	1,074	4,023	5,851	6,332	6,497	6,302	5,857	2,713	2,735	6,354	5,410	4,000	2,483	203	29	0	0.47	0	0
MEAN COHO CATCH	50	2,723	6,483	64,918	111,864	194,919	214,254	211,687	180,323	126,265	89,197	178,184	138,840	84,270	47,856	8,529	291	0	0.27	0	0
# TAGS/1,000 VESSEL DAYS	0.00	1.12	5.53	1.30	4.00	6.58	4.69	3.59	2.70	4.39	1.71	0.92	0.60	0.21	0.58	1.11	0.00		0.00		
# TAGS/1,000 COHO CAUGHT	0.00	0.45	0.33	0.13	0.20	0.16	0.12	0.09	0.09	0.06	0.02	0.03	0.02	0.01	0.02	0.01	0.00		0.00		


Mean Weekly recoveries of CWT'd QCI Coho in Alaskan Troll fisheries,
for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Weekly Effort and Mean Weekly Run Timing of CWT'd QCI Coho through Alaskan Troll Fisheries (EFFORT ANALYSIS), for
recoveryyears 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel Days)
QCI Coho Tags/1000 Vessel Days (Run Timing)
Statistical Week

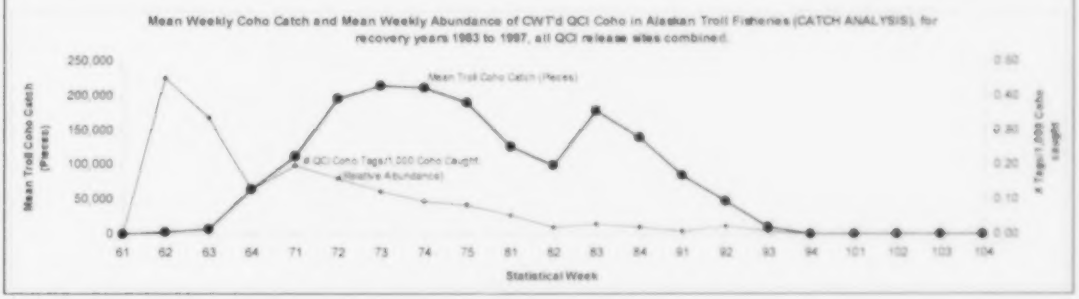
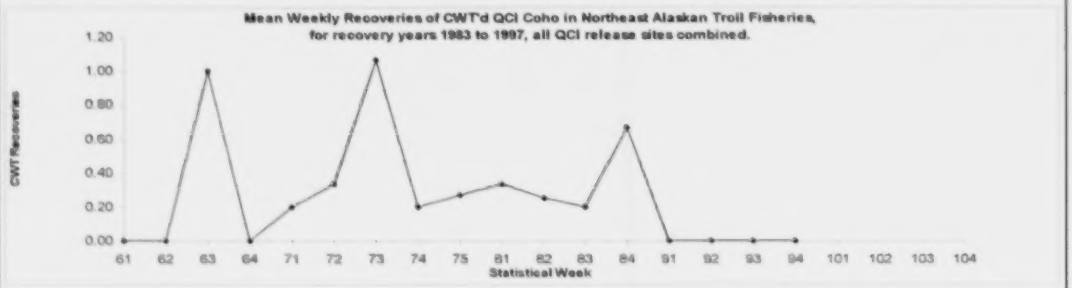
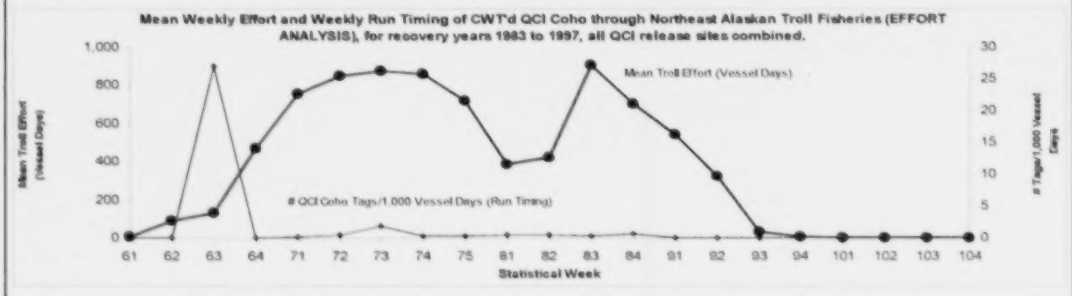

Mean Weekly Coho Catch and Mean Weekly Abundance of CWT'd QCI Coho in Alaskan Troll Fisheries (CATCH ANALYSIS), for
recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (Pieces)
QCI Coho Tags/1,000 Coho Caught
(Relative Abundance)
Statistical Week

Table 39. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northeast Alaskan Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	ALASKAN TROLL (FREEZER + ICE + DAY).
RECOVERY AREA(S)	NE QUADRANT.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
NOTE:	DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																			
	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES	0.00	0.00	1.00	0.00	0.20	0.33	1.07	0.20	0.27	0.33	0.25	0.20	0.67	0.00	0.00	0.00	0.00				
MEAN EFFORT	5	89	129	470	757	849	876	857	719	387	420	907	703	542	325	33	4	0	0.00	0	0
MEAN COHO CATCH	1	223	322	2,916	7,678	13,298	16,239	16,404	17,341	9,984	10,315	17,689	9,097	4,833	2,413	425	10	0	0.00	0	0
# TAGS/1,000 VESSEL DAYS	0.00	0.00	27.03	0.00	0.18	0.45	1.84	0.38	0.24	0.52	0.39	0.24	0.68	0.00	0.00	0.00	0.00				
# TAGS/1,000 COHO CAUGHT	0.00	0.00	2.15	0.00	0.01	0.03	0.05	0.02	0.01	0.02	0.01	0.01	0.04	0.00	0.00	0.00	0.00				


Mean Weekly Recoveries of CWT'd QCI Coho in Northeast Alaskan Troll Fisheries, for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
1.20
1.00
0.80
0.60
0.40
0.20
0.00
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week


Mean Weekly Effort and Weekly Run Timing of CWT'd QCI Coho through Northeast Alaskan Troll Fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel Days)
QCI Coho Tags/1,000 Vessel Days (Run Timing)
Mean Troll Effort (Vessel Days)
Tags/1,000 Vessel Days
1,000
800
600
400
200
0
30
25
20
15
10
5
0
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

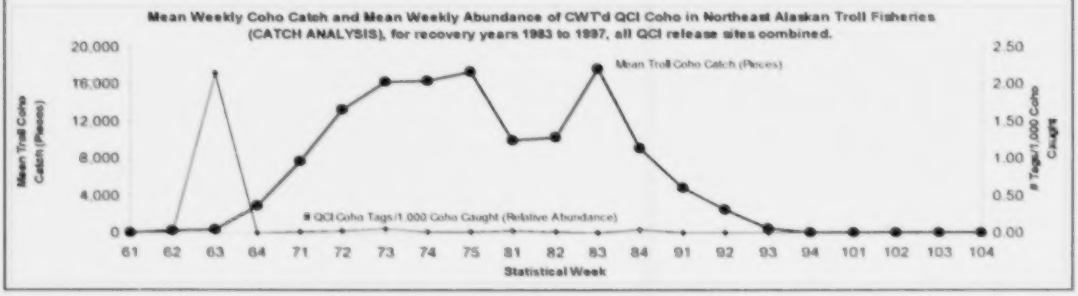
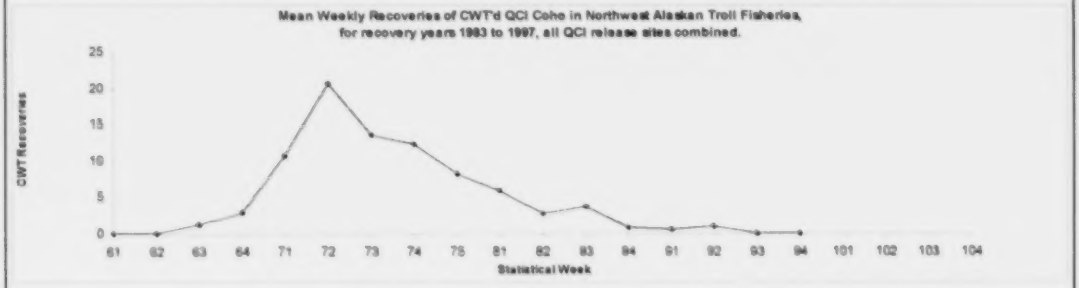
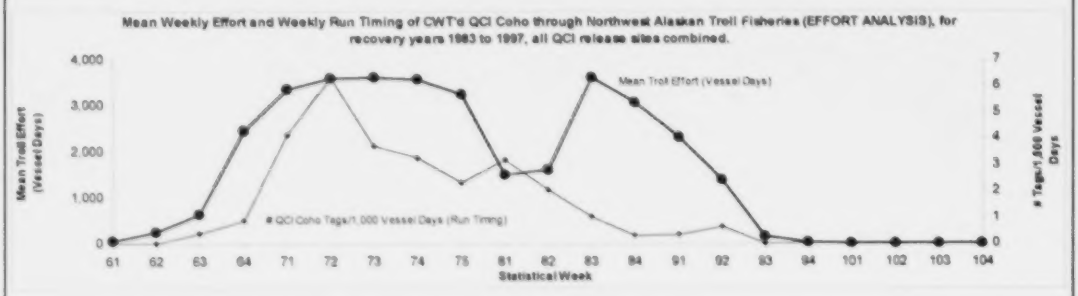

Mean Weekly Coho Catch and Mean Weekly Abundance of CWT'd QCI Coho in Northeast Alaskan Troll Fisheries (CATCH ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (Pieces)
QCI Coho Tags/1,000 Coho Caught (Relative Abundance)
Mean Troll Coho Catch (Pieces)
Tags/1,000 Coho Caught
20,000
16,000
12,000
8,000
4,000
0
2.50
2.00
1.50
1.00
0.50
0.00
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

Table 40. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northwest Alaskan Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEAR TYPE	ALASKAN TROLL (FREEZER + ICE + DAY).
RECOVERY AREA(S)	NW QUADRANT.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
NOTE:	DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																			
	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES	0.00	0.00	1.20	2.87	10.60	20.67	13.53	12.27	8.13	5.85	2.69	3.73	0.80	0.53	1.00	0.00	0.00				
MEAN EFFORT	37	242	629	2,434	3,341	3,595	3,605	3,568	3,251	1,485	1,609	3,601	3,072	2,320	1,381	145	17	0	0.00	0	0
MEAN COHO CATCH	45	1,279	4,203	46,253	71,493	125,949	135,208	133,880	119,402	85,019	70,370	119,480	102,633	62,515	33,810	5,882	253	0	0.00	0	0
# TAGS/1,000 VESSEL DAYS	0.00	0.00	0.40	0.86	4.12	6.32	3.71	3.25	2.31	3.16	2.03	1.01	0.31	0.33	0.64	0.00	0.00				
# TAGS/1,000 COHO CAUGHT	0.00	0.00	0.07	0.12	0.18	0.15	0.09	0.08	0.07	0.04	0.02	0.03	0.01	0.01	0.02	0.00	0.00				


Mean Weekly Recoveries of CWT'd QCI Coho in Northwest Alaskan Troll Fisheries, for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
25
20
15
10
5
0
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week


Mean Weekly Effort and Weekly Run Timing of CWT'd QCI Coho through Northwest Alaskan Troll Fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel Days)
4,000
3,000
2,000
1,000
0
Mean Troll Effort (Vessel Days)
Mean Troll Effort (Vessel Days)
QCI Coho Tags/1,000 Vessel Days (Run Timing)
7
6
5
4
3
2
1
0
Tags/1,000 Vessel Days
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

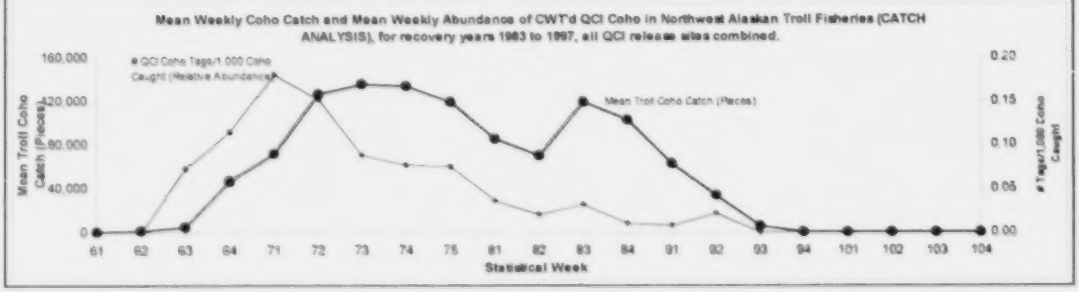
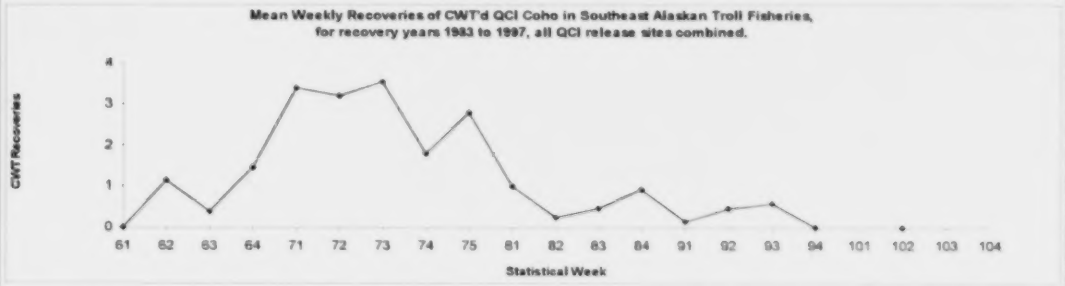
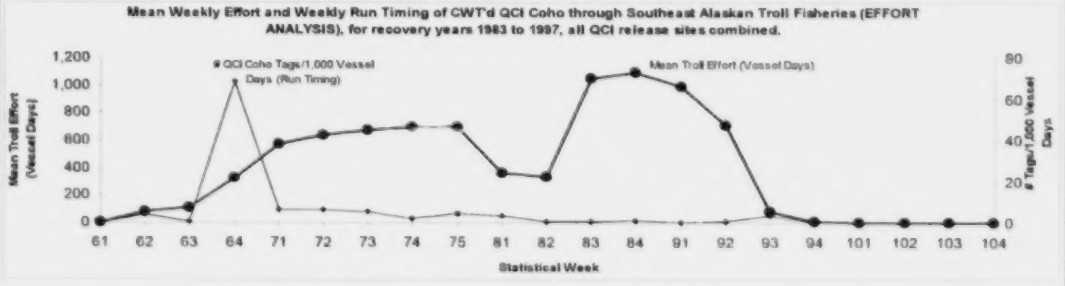

Mean Weekly Coho Catch and Mean Weekly Abundance of CWT'd QCI Coho in Northwest Alaskan Troll Fisheries (CATCH ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
QCI Coho Tags/1,000 Coho Caught (Relative Abundance)
Mean Troll Coho Catch (Pieces)
160,000
120,000
80,000
40,000
0
Mean Troll Coho Catch (Pieces)
0.20
0.15
0.10
0.05
0.00
Tags/1,000 Coho Caught
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

Table 41. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Southeast Alaskan Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	ALASKAN TROLL (FREEZER + ICE + DAY).
RECOVERY AREA(S)	SE QUADRANT.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
NOTE:	DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																			
	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES	0.00	1.14	0.40	1.47	3.40	3.20	3.53	1.80	2.80	1.00	0.25	0.47	0.93	0.14	0.47	0.57	0.00		0.00		
MEAN EFFORT	2	80	105	327	573	633	670	696	696	365	336	1,051	1,092	992	705	81	7	0	0.47	0	0
MEAN COHO CATCH	0	540	353	3,364	8,831	13,593	15,256	16,547	17,728	12,054	7,758	20,845	18,681	14,443	11,013	3,056	21	0	0.07	0	0
# TAGS/1000 VESSEL DAYS	0.00	3.64	0.64	68.40	6.41	6.50	5.13	1.99	4.13	3.36	0.34	0.58	0.84	0.08	0.65	3.57	0.00		0.00		
# TAGS/1000 COHO CAUGHT	0.00	0.78	0.18	33.42	0.37	0.23	0.18	0.06	0.14	0.05	0.01	0.03	0.05	0.01	0.05	0.03	0.00		0.00		


Mean Weekly Recoveries of CWT'd QCI Coho in Southeast Alaskan Troll Fisheries, for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
0
1
2
3
4
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week


Mean Weekly Effort and Weekly Run Timing of CWT'd QCI Coho through Southeast Alaskan Troll Fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel Days)
QCI Coho Tags/1,000 Vessel Days (Run Timing)
Mean Troll Effort (Vessel Days)
Tags/1,000 Vessel Days
0
200
400
600
800
1,000
1,200
0
20
40
60
80
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

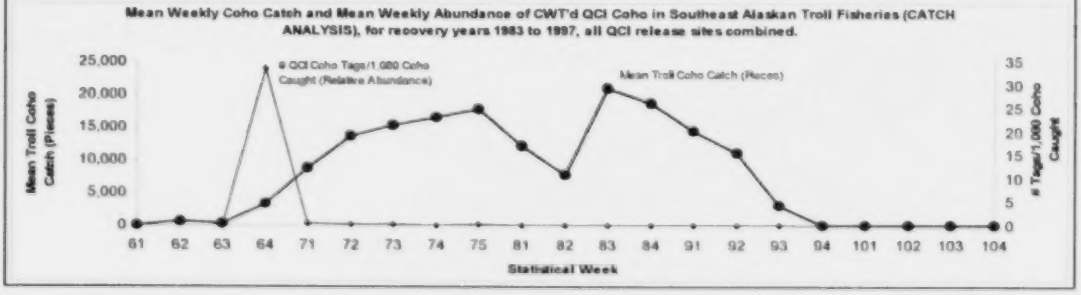
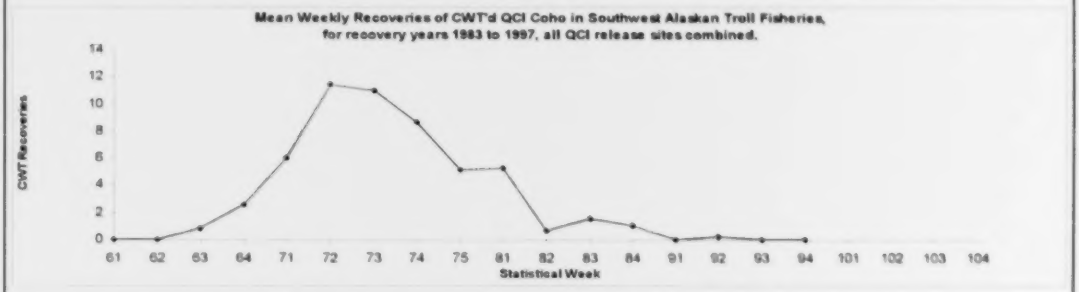

Mean Weekly Coho Catch and Mean Weekly Abundance of CWT'd QCI Coho in Southeast Alaskan Troll Fisheries (CATCH ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (Pieces)
QCI Coho Tags/1,000 Coho Caught (Relative Abundance)
Mean Troll Coho Catch (Pieces)
Tags/1,000 Coho Caught
0
5,000
10,000
15,000
20,000
25,000
0
5
10
15
20
25
30
35
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104
Statistical Week

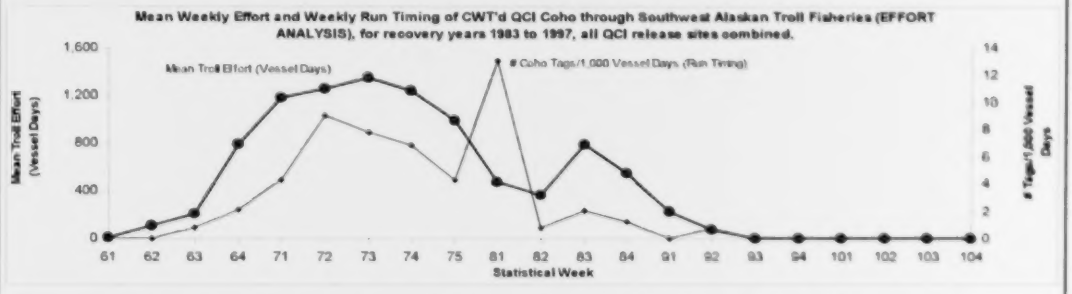
Table 42. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Southwest Alaskan Troll Gear. Mean Recoveries for Years 1983 to 1997 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	ALASKAN TROLL (FREEZER + ICE + DAY).
RECOVERY AREA(S)	SW QUADRANT.
RECOVERY YEAR(S)	1983 TO 1997.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
TROLL EFFORT	MEAN OF WEEKLY VALUES FOR TROLL EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1997.
TROLL COHO CATCH	MEAN OF WEEKLY VALUES FOR TROLL CATCH (PIECES) FOR THE YEARS 1983 TO 1997.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1997 OF QCI TAGGED COHO.

NOTE: DATA LAGGED BACK 1 WEEK TO REFLECT ACTUAL DATE OF HARVEST.

	STATISTICAL WEEK																			
	61	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103	104
MEAN TAG RECOVERIES	0.00	0.00	0.80	2.53	6.00	11.47	11.00	8.67	5.13	5.25	0.67	1.53	1.00	0.00	0.21	0.00	0.00				
MEAN EFFORT	8	107	211	793	1,180	1,255	1,346	1,242	992	477	370	795	550	226	72	3	1	0	0.00	0	0
MEAN COHO CATCH	4	680	1,605	12,385	23,862	42,080	47,550	44,855	34,852	19,208	10,754	20,169	9,529	2,460	722	166	7	0	0.00	0	0
# TAGS/1,000 VESSEL DAYS	0.00	0.00	0.78	2.15	4.28	9.06	7.80	6.88	4.27	13.05	0.79	2.07	1.23	0.00	0.75	0.00	0.00				
# TAGS/1,000 COHO CAUGHT	0.00	0.00	0.06	0.14	0.22	0.16	0.18	0.16	0.11	0.16	0.03	0.06	0.06	0.00	0.07	0.00	0.00				


Mean Weekly Recoveries of CWT'd QCI Coho in Southwest Alaskan Troll Fisheries, for recovery years 1983 to 1997, all QCI release sites combined.
CWT Recoveries
Statistical Week
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104


Mean Weekly Effort and Weekly Run Timing of CWT'd QCI Coho through Southwest Alaskan Troll Fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Effort (Vessel Days)
Coho Tags/1,000 Vessel Days (Run Timing)
Mean Troll Effort (Vessel Days)
Tags/1,000 Vessel Days
Statistical Week
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104

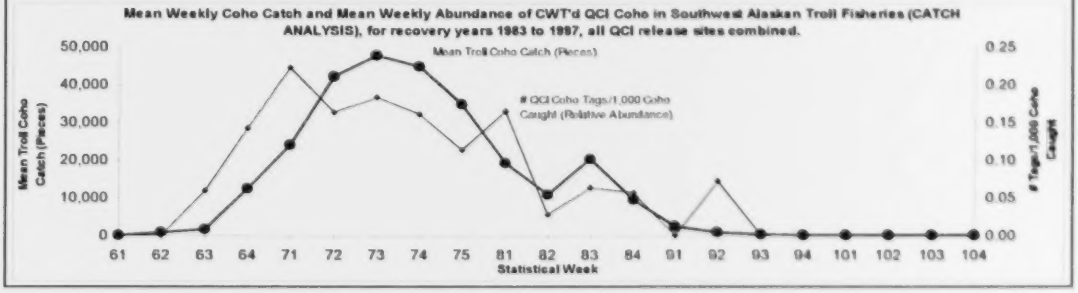
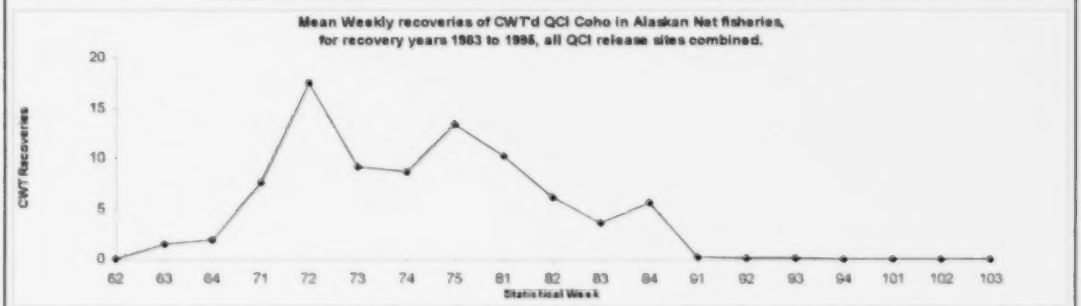
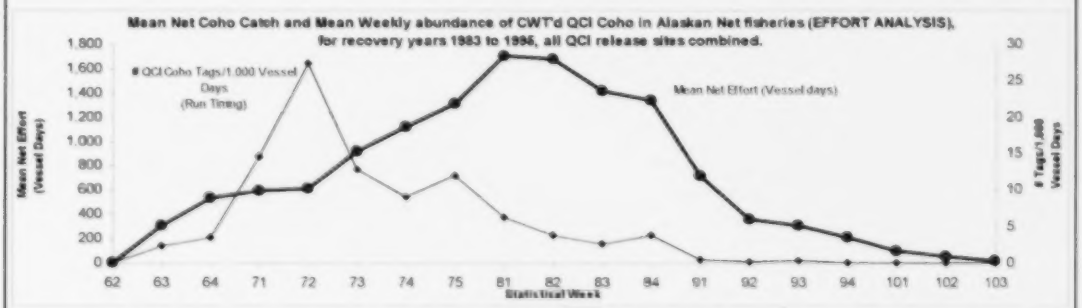

Mean Weekly Coho Catch and Mean Weekly Abundance of CWT'd QCI Coho in Southwest Alaskan Troll Fisheries (CATCH ANALYSIS), for recovery years 1983 to 1997, all QCI release sites combined.
Mean Troll Coho Catch (Pieces)
QCI Coho Tags/1,000 Coho Caught (Relative Abundance)
Mean Troll Coho Catch (Pieces)
Tags/1,000 Coho Caught
Statistical Week
61 62 63 64 71 72 73 74 75 81 82 83 84 91 92 93 94 101 102 103 104

Table 43. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaska Net Gear. Mean Recoveries for Years 1983 to 1995 and all Q.C.I. Release Sites Combined.

RECOVERY AREA/GEARTYPE	ALASKAN NET (GN + SN).
STATISTICAL AREA(S)	SN = 101, 102, 103, 104, 112 GN = 101, 106.
RECOVERY YEAR(S)	1983 TO 1995.
TAG GROUP	QCI.
BROOD YEAR(S)	ALL.
TAG RECOVERIES	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
NET EFFORT	MEAN OF WEEKLY VALUES FOR NET EFFORT (VESSEL DAYS) FOR THE YEARS 1983 TO 1995.
NET COHO CATCH	MEAN OF WEEKLY VALUES FOR NET CATCH (PIECES) FOR THE YEARS 1983 TO 1995.
# TAGS PER 1,000 VESSEL DAYS	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.
# TAGS PER 1,000 COHO CAUGHT	MEAN OF WEEKLY VALUES FOR THE YEARS 1983 TO 1995 OF QCI TAGGED COHO.

	STATISTICAL WEEK																	
	62	63	64	71	72	73	74	75	81	82	83	84	91	92	93	94	101	102	103
MEAN TAG RECOVERIES	0.00	1.43	1.85	7.62	17.46	9.15	8.62	13.38	10.23	6.15	3.54	5.54	0.23	0.08	0.15	0.00	0.00	0.00	0.00
MEAN EFFORT	0.2	303	535	593	613	920	1,115	1,312	1,701	1,676	1,414	1,340	720	381	307	210	100	58	15
MEAN COHO CATCH	0	561	1,683	5,796	16,999	21,802	27,956	49,374	63,155	64,880	72,127	84,265	48,157	25,257	20,934	12,700	3,658	625	23
# TAGS/1,000 VESSEL DAYS	0.00	2.40	3.48	14.51	27.32	12.77	9.01	11.89	6.24	3.86	2.58	3.73	0.38	0.16	0.29	0.00	0.00	0.00	0.00
# TAGS/1,000 COHO CAUGHT		1.04	0.90	0.68	0.85	0.34	0.24	0.21	0.15	0.09	0.04	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00


Mean Weekly recoveries of CWT'd QCI Coho in Alaskan Net fisheries, for recovery years 1983 to 1995, all QCI release sites combined.
CWT Recoveries
Statistical Week


Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Alaskan Net fisheries (EFFORT ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
QCI Coho Tags/1,000 Vessel Days (Run Timing)
Mean Net Effort (Vessel days)
Mean Net Effort (Vessel Days)
Tags/1,000 Vessel Days
Statistical Week

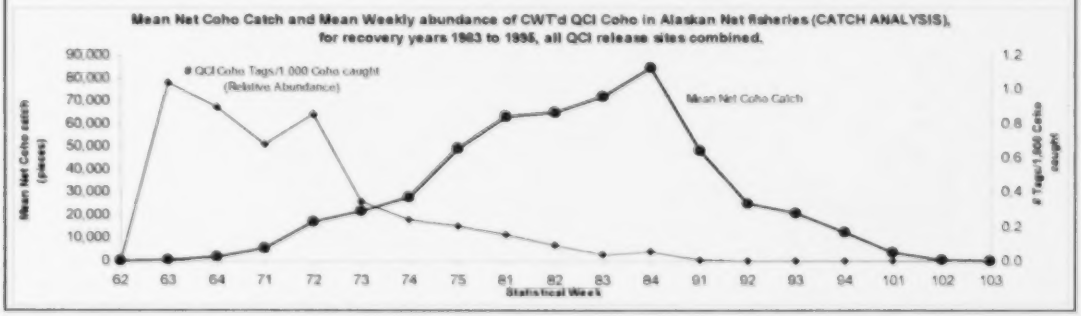

Mean Net Coho Catch and Mean Weekly abundance of CWT'd QCI Coho in Alaskan Net fisheries (CATCH ANALYSIS), for recovery years 1983 to 1995, all QCI release sites combined.
QCI Coho Tags/1,000 Coho caught (Relative Abundance)
Mean Net Coho Catch
Mean Net Coho catch (pieces)
Tags/1,000 Coho caught
Statistical Week

Table 44. Proportional Recoveries of CWT'd Q.C.I. Coho by Release Statistical Area by Recovery Area Showing Recoveries of Cumshewa Releases Included and 2 East Recoveries of Cumshewa Recoveries of Cumshewa Releases Excluded. Troll and Sport Recoveries for the Years 1983 to 1997, Net Recoveries for the Years 1983 to 1995.

Estimated Adjusted Recoveries; Troll and Sport = 83 to 97, Net = 83 to 95)
(Includes 2 East recoveries of cumshewa releases)

		RELEASE STAT. AREA		
RECOVERY AREA	GEARTYPE	1	2W	2E
ALASKA	TROLL	222	1359	795
ALASKA	NET	86	297	719
ALASKA	SPORT (marine)	8	37	13
NORTHERN CANADA	TROLL	2432	4932	16460
NORTHERN CANADA	NET	91	778	6200
NORTHERN CANADA	SPORT (marine)	44	598	8156
NORTHERN CANADA	SPORT (freshwater)			1173
CENTRAL CANADA	TROLL	5	18	176
CENTRAL CANADA	NET	2		42
SOUTHERN CANADA	TROLL	13	56	296
SOUTHERN CANADA	NET			8
SOUTHERN CANADA	SPORT (marine)			9

	PROPORTION OF RECOVERIES BY RELEASE STAT. AREA		
RECOVERY AREA	1	2W	2E
ALASKA	0.11	0.21	0.04
NORTHERN CANADA	0.88	0.78	0.94
CENTRAL CANADA	0.00	0.00	0.01
SOUTHERN CANADA	0.00	0.01	0.01

Estimated Adjusted Recoveries; Troll and Sport = 83 to 97, Net = 83 to 95)
(Excludes 2E recoveries of Cumshewa releases)

		RELEASE STAT. AREA		
RECOVERY AREA	GEARTYPE	1	2W	2E
ALASKA	TROLL	222	1359	795
ALASKA	NET	86	297	719
ALASKA	SPORT (marine)	8	37	13
NORTHERN CANADA	TROLL	2432	4932	9664
NORTHERN CANADA	NET	91	778	582
NORTHERN CANADA	SPORT (marine)	44	598	207
NORTHERN CANADA	SPORT (freshwater)			12
CENTRAL CANADA	TROLL	5	18	176
CENTRAL CANADA	NET	2		42
SOUTHERN CANADA	TROLL	13	56	296
SOUTHERN CANADA	NET			8
SOUTHERN CANADA	SPORT (marine)			9

	PROPORTION OF RECOVERIES BY RELEASE STAT. AREA		
RECOVERY AREA	1	2W	2E
ALASKA	0.11	0.21	0.12
NORTHERN CANADA	0.88	0.78	0.84
CENTRAL CANADA	0.00	0.00	0.02
SOUTHERN CANADA	0.00	0.01	0.02

Table 45. A Summary of Commercial Catch Region Codes used in the Mark Recovery Program CWT Recovery Location Descriptions, with Corresponding Gear Description and Statistical Areas.

CATCH REGION	COMMERCIAL GEAR DESCRIPTION	STATISTICAL AREAS
NN	Northern Net	1, 2E, 2W, 3, 4, 5.
NTR	Northern Troll	1, 2E, 2W, 3, 4, 5.
CN	Central Net	6, 7, 8, 9, 10, 11.
NCTR	North Central Troll	6, 7, 8, 9, 30.
SCTR	South Central Troll	10, 11, 12.
JSN	Johnstone Strait Net	12, 13.
GSTR	Georgia Strait Troll	13, 14, 15, 16, 17, 18, 29, 29A, 29B, 29C, 29E.
NWTR	Northwest Van. Isl. Troll	25, 26, 27.
SWTR	Southwest Van. Isl. Troll	21, 23, 24.

Table 46. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Troll Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64										5			29					5					39
71			439		40	16	5			292			106		34		112	340		304	5	3	1696
72	20	20	28	56	122	14	86	8		483	34	21	663		47	8	172	90	18	168	102	4	2164
73	28	15	101	174	96	6	34	3		327		28	266	4	69	4	128	158	6	150	185	108	1890
74	59	45	79	61	71	213	15	5	20	375		5	467		62	13	116	42	95	135	268	147	2293
75	35	24	48	55	134	93	119	9		396	24	31	514		41	10	116	90	26	149	201	159	2274
81	20		5	28	147	7	68	23		414	26	11	510	3	5	5	169	54	31	135	257	161	2079
82	7	22	4	24	65	15	26			134	5	16	175		12		17	19	8	88	182	140	959
83	38	6	24	14	37	21	22		6	410	10	14	345	7	52	6	64	12		49	90	60	1287
84	12	18	20	5	58	27	121	15		1364	13	13	162	64	166	41	279	221	13	48	86	75	2821
91			14		60	49	131	19		856	3	34	481		71	19	69	166	5	35	85	60	2157
92			25	4	6	11	59	6	14	1329	9	15	234		34	28	215	111	6	12	359	627	3104
93			2	2						265	5	31	162		5		7	13	72	4	248	8	824
94			5	4						18							3	35				35	100
101			3	3						21			9		7		7	87					137
102																							
103																							
TOTAL:	219	150	797	430	836	472	686	88	40	6689	129	219	4123	78	605	134	1474	1443	280	1277	2068	1587	23824

Table 47. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Net Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					2																		2
63																	3						3
64					2					13				7				4					26
71		2			6					29		3	17	3			8	14		3	3		88
72	2				4					37		3	16				9			5		2	78
73		2			11					32		13	18				7			3		5	91
74					34					30		10	32				7	4		8	4	7	136
75			15		6					11		5	9		3			3	8	33	21	38	152
81					3					4			4		5		3	4		18	24	17	82
82					2										2		4			11		20	39
83																	4			5		7	16
84					2					174			78				45	6					305
91					6					525		6	563		50		83	387					1620
92										652	9	5	604	10	66	2	139	111					1598
93							4			745	10	28	296	8	49	15	119	104		2			1380
94							14			286	4	37	123	8	12	9	58	40			365		956
101							3			88		20	24		14	2	17	139			199		506
102							19			15		4	2				4	12					56
103										2							2						4
TOTAL:	2	4	15		78		40			2643	23	134	1786	36	201	28	512	828	8	88	616	96	7138

Table 48. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Seine Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72										2													2
73					2								4				7						13
74					5					15			19				4	4		4	4		55
75			15		6					11		5	3			3		3	5	33	21	23	128
81					3					4					5		3			18	24	17	74
82															2					11		20	33
83																	4			5		7	16
84					2					64			78				6	6					156
91					6					170		3	515		27		36	103					860
92										213		4	146	6	33		22	19					443
93							2			136	2	9	105		19		20	11					304
94										140		31	73	8	2	8	11	20			196		489
101										11		13	8		5			29					66
102													2				2	3					7
103										2							2						4
TOTAL:			15		24		2			768	2	65	953	14	96	8	117	198	5	71	245	67	2650

Table 49. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Gillnet Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					2																		2
63																	3						3
64					2					13				7				4					26
71		2			6					29		3	17	3			8	14		3	3		88
72	2				4					35		3	16				7			5		2	74
73		2			9					32		13	14							3			73
74					24					15		10	13				3			4			69
75													6									1	7
81													4					4					8
82					2												4						6
83																							
84										110							39						149
91										55		3	32		2		10						102
92										77		1	41	2	2		26						149
93							2			91		4	29		8		35			2			171
94							6			34		6	9		4		16	4					79
101							3						3		1						159		166
102							3			13		2					2	7					27
103																							
TOTAL:	2	4			49		14			504		45	184	12	17		153	33		17	162	3	1199

Table 50. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Troll Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64													29										29
71			339		35	16				252			84		34		93	268		286	5	3	1415
72	20	20	28	49	95	14	77	8		362	34	17	546		36	8	142	73	18	168	102	4	1823
73	14	5	73	168	53		14			242		24	230	4	65		97	124	6	133	185	100	1537
74	10	30	79	61	55	78	5		5	231			455		42	9	87	42	84	118	268	147	1806
75	35	24	21	39	116	12	90			296	24	21	390		10	5	92	42	26	126	201	141	1711
81			5	19	116	7	62	17		398	26	11	501	3	5	5	141	54	31	130	257	154	1942
82		22	4	16	56	4	17			112	5	16	171		8		17	19	8	88	178	126	867
83	38	6	24	14	22	21	11		6	402	10	10	330	7	52		60	8		45	90	60	1216
84		12	20		50		72	12		1299	13		152	64	166	38	262	221	13	48	82	75	2599
91			14		20	49	128	19		840	3	34	474		60	19	69	166	5	30	81	66	2071
92			25	4	3	11	39	3		1323	9	15	234		30	28	188	111	6	12	359	627	3027
93			2	2						265	5	31	162		5		4	13	72	4	248	8	821
94			5	4						18							3	30				35	95
101										21			9		7		7	87					131
102																							
103																							
TOTAL:	117	119	639	376	621	212	515	59	11	6061	129	179	3769	78	520	112	1262	1258	269	1168	2056	1540	21090

Table 51. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Net Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																						2	2
73																						2	2
74										7												7	14
75			15		3					11		5			3			3	3	30	16	19	112
81													4		5		3			16	15	13	56
82															2					11		13	26
83																	4			5		7	16
84										172			78				45	6					301
91					6					506		6	505		31		83	387					1524
92										636	9	5	579	10	66	2	136	111					1554
93							4			745	10	28	296	8	49	15	119	104					1378
94							14			286	4	37	123	8	12	5	58	40			365		956
101							3			88		20	24		14	2	17	139			199		506
102							19			15		4	2				4	12					56
103										2							2						4
TOTAL:			15		9		40			2468	23	105	1611	26	182	28	471	802	3	82	597	63	6507

Table 52. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Seine Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																							
73																							
74										7													7
75			15		3					11		5			3			3	5	30	18	18	111
81															5		3			16	15	13	52
82															2					11		13	26
83																	4			5		7	16
84										62			78				6	6					152
91					6					151		3	457		8		36	103					764
92										213		4	146	6	33		22	19					443
93							2			136	2	9	105		19		20	11					304
94										140		31	73	8	2	8	11	20			196		489
101										11		13	8		5			29					66
102													2				2	3					7
103										2							2						4
TOTAL:			15		9		2			733	2	65	869	14	77	8	106	194	5	62	229	51	2441

Table 53. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Gillnet Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																						2	2
73																							
74																							
75																							
81													4										4
82																							
83																							
84										110							39						149
91										55		3	32		2		10						102
92										61		1	16	2	2		23						105
93							2			91		4	29		8		35						169
94							6			34		6	9		4		16	4					79
101							3						3		1						159		166
102							3			13		2					2	7					27
103																							
TOTAL:							14			364		16	93	2	17		125	11			159	2	803

Table 54. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Troll Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64										5								5					10
71			67		5		5			26			13				14	60		12			202
72				7	18		9			73		4	73		11		19	17					231
73	5	10	22	6	31		15	3		64		4	36			4	26	34		17			277
74	5	5			4		10	5		119		5	8		20		20			17			218
75			27	16	18	73	14	9		67		4	91		31	5	19	48		11		7	440
81	20				26		6	6		11							28					7	104
82	7			8		11	9			22											4	14	75
83					15		11			8		4	15			6	4	4		4			71
84	12	6			8	27	49	3		59			3			3	17						187
91					10		3			13										5	4		35
92					3		17	3		6					4								33
93																	3						3
94																		5					5
101			3																				3
102																							
103																							
TOTAL:	49	21	119	37	138	111	148	29		473		21	239		66	18	150	173		66	8	28	1894

Table 55. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Net Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					2																		2
63																	3						3
64					2					13				7				4					26
71		2			6					29		3	17	3			8	14		3	3		88
72	2				4					37		3	16				9			5			76
73		2			11					32		13	18				7			3			86
74					34					23		10	32				7			4			110
75					3								9							3		6	21
81					3					4								4			9	2	22
82					2												4					3	9
83																							
84					2					2													4
91																							
92										16			25				3						44
93																				2			2
94																							
101																							
102																							
103																							
TOTAL:	2	4			69					156		29	117	10			41	22		20	12	11	493

Table 56. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Seine Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72										2													2
73					2								4				7						13
74					5					8			19				4						36
75					3								3							3		5	14
81					3					4											9	2	18
82																						3	3
83																							
84					2					2													4
91																							
92																							
93																							
94																							
101																							
102																							
103																							
TOTAL:					15					16			26				11			3	9	10	90

Table 57. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Gillnet Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					2																		2
63																	3						3
64					2					13				7				4					26
71		2			6					29		3	17	3			8	14		3	3		88
72	2				4					35		3	16				7			5			72
73		2			9					32		13	14							3		1	74
74					24					15		10	13				3			4			69
75													6										6
81																		4					4
82					2												4						6
83																							
84																							
91																							
92										16			25				3						44
93																				2			2
94																							
101																							
102																							
103																							
TOTAL:	2	4			49					140		29	91	10			28	22		17	3	1	396

Table 58. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Troll Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																				4			4
64										9							8	4					21
71	3		3		6		2			19	3				3	8	13	29		7	11	9	116
72	3	13	3	7	5				4	47		5	31		10		19	43	10	52	72	45	369
73	2	5		2	70				2	78		8	56		9	2	38	16	5	84	134	121	632
74	5	5	3	5	16	6				60		6	32	4	5		23	11	7	108	153	77	526
75	3	5		2	10				2	35		3	14				5	18	6	99	114	82	398
81		3	4		17					17			4					3	7	54	113	70	292
82			3		7					9		5	11					4	7	48	67	29	190
83		3			3								3				4			6	10	27	56
84	3				3	6				5									3	28	49	21	118
91						6					3									16	22	15	62
92																	2				4	8	14
93						3													4	7	7	6	29
94																				4			4
101																							
102																							
103																							
TOTAL:	19	34	16	16	137	21	2		8	279	6	27	151	4	27	10	112	128	49	517	756	512	2831

Table 59. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Net Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63										1				1			3	5					10
64										11							6	2		5			24
71			2		4					12			7		5		18	46		5			99
72			8							74		7	69	4			19	50		5	2	10	248
73		7		4	7		4			37		5	13				7	14		17	5	19	139
74			4		13					20		3	21		1		5	2	4	25	6	23	127
75		11			6					52			23		4		18	30	6	32	25	10	217
81	4		4	3	14					25			12				14	4	6	9	44	25	164
82			2		4		2			9								9	8	29	44	20	127
83					2		5			10			4				6				15	7	49
84					15					11			3					2		12	28	11	82
91													3										3
92						4							1										5
93																					2		2
94																							
101																							
102																							
103																							
TOTAL:	4	18	20	7	65	4	11			262		15	156	5	10		96	164	24	139	171	125	1296

Table 60. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Seine Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71			2							4					2		17	45		5			75
72			8							58		7	63	4			17	50		5	2	10	224
73		7		4	5		4			32		5	11				7	14		17	5	19	130
74			4		6					20		3	17		1		5	2	4	25	6	23	116
75		11			6					52			23		4		13	30	6	27	25	10	207
81	4		4	3	14					23			12				14	4	6	9	44	25	162
82					4					3								9	8	29	44	20	117
83					2		5			10			4				6				15	4	46
84					15					11			3							12	28	11	80
91													3										3
92																							
93																							
94																							
101																							
102																							
103																							
TOTAL:	4	18	18	7	52		9			213		15	136	4	7		79	154	24	129	169	122	1160

Table 61. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Gillnet Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63										1				1			3	5					10
64										11							6	2		5			24
71					4					8			7		3		1	1					24
72										16			6				2						24
73					2					5			2										9
74					7								4										11
75																	5			5			10
81										2													2
82			2				2			6													10
83																						3	3
84																		2					2
91																							
92						4							1										5
93																					2		2
94																							
101																							
102																							
103																							
TOTAL:			2		13	4	2			49			20	1	3		17	10		10	2	3	136

Table 62. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Alaskan Sport (marine) Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
MONTH	Crown Brook Creek	Sangan River	Gold Creek	Kiny Creek	Mario Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Bissenman Creek	Millers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Dorr Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu Flat Creek	Total (all release sites)
JAN.																							
FEB.																							
MARCH																							
APRIL																							
MAY																							
JUNE																							
JULY					8					13										10	15	37	83
AUG.																					7	3	10
SEPT.																							
OCT.																							
NOV.																							
DEC.																							
TOTAL:					8					13										10	22	40	93

Table 63. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Sport (marine) Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
MONTH	Crown Brook Creek	Sangan River	Gold Creek	Kiny Creek	Mario Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Bissenman Creek	Millers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Dorr Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu Flat Creek	Total (all release sites)
JAN.																							
FEB.																							
MARCH																8							8
APRIL							6	6													5		17
MAY																							
JUNE					10							6	4		3		6			3			32
JULY					9		10			135	6		47		12	11	3	6	9	5	34	9	296
AUG.		8			8					1676		3	501		130	22	220	55	5	81	54	83	2846
SEPT.					6		41			2853		9	625	39	178	98	582	703		59	245	60	5498
OCT.				3			94	12		17			14					5					145
NOV.													4										4
DEC.																							
TOTAL:		8		3	33		151	18		4681	6	18	1195	39	323	139	811	769	14	148	338	152	8846

Table 64. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Sport (freshwater) Gear by Release Site. Total Recoveries of Q.C.I. Coho Tags for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
MONTH	Crown Brook Creek	Sangan River	Gold Creek	Kiny Creek	Mario Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Bissenman Creek	Millers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Dorr Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu Flat Creek	Total (all release sites)
JAN.																							
FEB.																							
MARCH																							
APRIL																							
MAY																							
JUNE																							
JULY																							
AUG.										18			4		6		9						37
SEPT.								6		273	13		236	48	62		245	70					953
OCT.								6		88			23	6			41	10					174
NOV.																	17						17
DEC.																							
TOTAL:								12		379	13		263	54	68		312	80					1181

Table 65. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Troll Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Paliant Creek	Paliant Creek Lower	Paliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64										001			007					003					002
71			551		048	034	007			044			026		056		076	236		238	002	002	071
72	091	133	035	130	146	030	125	091		072	264	096	161		078	060	117	062	064	132	049	003	091
73	128	100	127	405	115	013	050	034		049		128	065	051	114	030	087	109	021	117	089	068	079
74	269	300	099	142	085	451	022	057	500	056		023	113		102	097	079	029	339	106	130	093	096
75	160	160	060	128	160	197	173	102		059	186	142	125		068	075	079	062	093	117	097	100	095
81	091		006	065	176	015	099	261		062	202	050	124	038	008	037	115	037	111	106	124	101	087
82	032	147	005	056	078	032	038			020	039	073	042		020		012	013	029	069	088	088	040
83	174	040	030	033	044	044	032		150	061	078	064	084	090	086	045	043	008		038	044	038	054
84	055	120	025	012	069	057	176	170		204	101	059	039	821	274	306	189	153	046	038	042	047	118
91			018		072	104	191	216		128	023	155	117		117	142	047	115	018	027	041	038	091
92			031	009	007	023	086	068	350	199	070	068	057		056	209	146	077	021	009	174	395	130
93			003	005						040	039	142	039		008		005	009	257	003	120	005	035
94			006	009						003							002	024				022	004
101			004	007						003			002		012		005	060					006
102																							
103																							

Table 66. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Net Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Paliant Creek	Paliant Creek Lower	Paliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					026																		000
63																	006						000
64					026					005				194				005					004
71		500			077					011		022	010	083			016	017		034	005		012
72	1.00				051					014		022	009				018			057		021	011
73		500			141					012		097	010				014			034		052	013
74					436					011		075	018				014	005		091	006	073	019
75			1.00		077					004		037	005		015			004	1.00	375	034	396	021
81					038					002			002		025		006	005		205	039	177	011
82					026										010		008			125		208	005
83																	008			057		073	002
84					026					066			044				088	007					043
91					077					199		045	315		249		162	467					227
92										247	391	037	338	278	328	071	271	134					224
93							100			282	435	209	166	222	244	536	232	126		023			193
94							350			108	174	276	069	222	060	321	113	048			593		134
101							075			033		149	013		070	071	033	168			323		071
102							475			006		030	001				008	014					008
103										001							004						001

Table 67. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Seine Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72										.003													.001
73					.083								.004				.060						.005
74					.208					.020			.020				.034	.020		.056	.016		.021
75			1.00		.250					.014		.077	.003		.031			.015	1.00	.465	.086	.343	.048
81					.125					.005					.052		.026			.254	.098	.254	.028
82															.021					.155		.299	.012
83																	.034			.070		.104	.006
84					.083					.083			.082				.051	.030					.059
91					.250					.221		.046	.540		.281		.308	.520					.325
92										.277		.062	.153	.429	.344		.188	.096					.167
93							1.00			.177	1.00	.138	.110		.198		.171	.056					.115
94										.182		.477	.077	.571	.021	1.00	.094	.101			.800		.185
101										.014		.200	.008		.052			.146					.025
102													.002				.017	.015					.003
103										.003							.017						.002

Table 68. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Gillnet Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					.041																		.002
63																	.020						.003
64					.041					.026				.583				.121					.022
71		.500			.122					.058		.067	.092	.250			.052	.424		.176	.019		.073
72	1.00				.082					.069		.067	.087				.046			.294		.667	.062
73		.500			.184					.063		.289	.076							.176			.061
74					.490					.030		.222	.071				.020			.235			.058
75													.033									.333	.006
81													.022					.121					.007
82					.041												.026						.005
83																							
84										.218							.255						.124
91										.109		.067	.174		.118		.065						.085
92										.153		.022	.223	.167	.118		.170						.124
93							.143			.181		.089	.158		.471		.229			.118			.143
94							.429			.067		.133	.049		.235		.105	.121					.066
101							.214						.016		.059						.981		.138
102							.214			.026		.044					.013	.212					.023
103																							

Table 69. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Troll Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64													008										.001
71			531		056	075				042			022		065		074	213		241	002	002	067
72	171	168	044	130	153	066	150	136		060	264	095	145		069	071	113	058	067	141	050	003	086
73	120	042	114	447	085		027			040		134	061	051	125		077	099	022	112	090	065	073
74	085	252	124	162	089	368	010		455	038			121		081	080	069	033	312	099	130	095	086
75	299	202	033	104	187	057	175			049	186	117	103		019	045	073	033	097	106	098	092	081
81			008	051	187	033	120	288		066	202	061	133	038	010	045	112	043	115	109	125	100	092
82		185	006	043	090	019	033			018	039	089	045		015		013	015	030	074	087	082	041
83	325	050	038	037	035	099	021		545	066	078	056	088	090	100		048	006		038	044	039	058
84		101	031		081		140	203		214	101		040	821	319	339	208	176	048	040	040	049	123
91			022		032	231	249	322		139	023	190	126		115	170	055	132	019	025	039	039	098
92			039	011	005	052	076	051		218	070	084	062		058	250	149	088	022	010	175	407	144
93			003	005						044	039	173	043		010		003	010	268	003	121	005	039
94			008	011						003							002	024				023	005
101										003			002		013		006	069					006
102																							
103																							

Table 70. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Net Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																						032	000
73																						032	000
74										003												111	002
75			1.00		333					004		048			016			004	1.00	484	030	302	017
81													002		027		006			258	025	206	009
82															011					177		206	004
83																	008			081		111	002
84										070			048				096	007					046
91					667					205		057	313		170		176	483					234
92										258	391	048	359	385	363	071	289	138					239
93							100			302	435	267	184	308	269	536	253	130					212
94							350			116	174	352	076	308	066	321	123	050			611		147
101							075			036		190	015		077	071	036	173			333		078
102							475			006		038	001				008	015					009
103										001							004						001

Table 71. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Seine Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East															Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sowell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																							
73																							
74										.010													.003
75			1.00		.333					.015		.077			.039			.015	1.00	.484	.079	.353	.045
81															.065		.028			.258	.066	.255	.021
82															.026					.177		.255	.011
83																	.038			.081		.137	.007
84										.085			.090				.057	.031					.062
91					.667					.206		.046	.526		.104		.340	.531					.313
92										.291		.062	.168	.429	.429		.208	.098					.181
93							1.00			.186	1.00	.138	.121		.247		.189	.057					.125
94										.191		.477	.084	.571	.026	1.00	.104	.103			.856		.200
101										.015		.200	.009		.065			.149					.027
102													.002				.019	.015					.003
103										.003							.019						.002

Table 72. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Q.C.I. Gillnet Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East															Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa										Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sowell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72																						1.00	.002
73																							
74																							
75																							
81													.043										.005
82																							
83																							
84										.302							.312						.186
91										.151		.188	.344		.118		.080						.127
92										.168		.063	.172	1.00	.118		.184						.131
93							.143			.250		.250	.312		.471		.280						.210
94							.429			.093		.375	.097		.235		.128	.364					.098
101							.214						.032		.059						1.00		.207
102							.214			.036		.125					.016	.636					.034
103																							

Table 73. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Troll Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64										.011								.029					.005
71			.563		.036		.034			.055			.054				.093	.347		.182			.107
72				.189	.130		.061			.154		.190	.305		.167		.127	.098					.122
73	.102	.476	.185	.162	.225		.101	.103		.135		.190	.151			.222	.173	.197		.258			.146
74	.102	.238			.029		.068	.172		.252		.238	.033		.303		.133			.258			.115
75			.227	.432	.130	.658	.095	.310		.142		.190	.381		.470	.278	.127	.277		.167		.250	.232
81	.408				.188		.041	.207		.023							.187					.250	.055
82	.143			.216		.099	.061			.047											.500	.500	.040
83					.109		.074			.017		.190	.063			.333	.027	.023		.061			.037
84	.245	.286			.058	.243	.331	.103		.125			.013			.167	.113						.099
91					.072		.020			.027										.076	.500		.018
92					.022		.115	.103		.013					.061								.017
93																	.020						.002
94																		.029					.003
101			.025																				.002
102																							
103																							

Table 74. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Net Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East														Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					.029																		.004
63																	.073						.006
64					.029					.083				.700				.182					.053
71		.500			.087					.186		.103	.145	.300			.195	.636		.150	.250		.178
72	1.00				.058					.237		.103	.137				.220			.250			.154
73		.500			.159					.205		.448	.154				.171			.150			.174
74					.493					.147		.345	.274				.171			.200			.223
75					.043								.077							.150		.545	.043
81					.043					.026								.182			.750	.182	.045
82					.029												.098					.273	.018
83																							
84					.029					.013													.008
91																							
92										.103			.214				.073						.089
93																				.100			.004
94																							
101																							
102																							
103																							

Table 75. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Seine Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71																							
72										.125													.022
73					.133								.154				.636						.144
74					.333					.500			.731				.364						.400
75					.200								.115							1.00		.500	.156
81					.200					.250											1.00	.200	.200
82																						.300	.033
83																							
84					.133					.125													.044
91																							
92																							
93																							
94																							
101																							
102																							
103																							

Table 76. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by North Coast Canadian Gillnet Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62					.041																		.005
63																	.107						.008
64					.041					.093				.700				.182					.066
71		.500			.122					.207		.103	.187	.300			.286	.636		.176	1.00		.222
72	1.00				.082					.250		.103	.176				.250			.294			.182
73		.500			.184					.229		.448	.154							.176		1.00	.187
74					.490					.107		.345	.143				.107			.235			.174
75													.066										.015
81																		.182					.010
82					.041												.143						.015
83																							
84																							
91																							
92										.114			.275				.107						.111
93																				.118			.005
94																							
101																							
102																							
103																							

Table 77. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Troll Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																				.008			.001
64										.032							.071	.031					.007
71	.158		.188		.044		1.00			.068	.500				.111	.800	.116	.227		.014	.015	.018	.041
72	.158	.382	.188	.438	.036				.500	.168		.185	.205		.370		.170	.336	.204	.101	.095	.088	.130
73	.105	.147		.125	.511				.250	.280		.296	.371		.333	.200	.339	.125	.102	.162	.177	.236	.223
74	.263	.147	.188	.313	.117	.286				.215		.222	.212	1.00	.185		.205	.086	.143	.209	.202	.150	.186
75	.158	.147		.125	.073				.250	.125		.111	.093				.045	.141	.122	.191	.151	.160	.141
81		.088	.250		.124					.061			.026					.023	.143	.104	.149	.137	.103
82			.188		.051					.032		.185	.073					.031	.143	.093	.089	.057	.067
83		.088			.022								.020				.036			.012	.013	.053	.020
84	.158				.022	.286				.018									.061	.054	.065	.041	.042
91						.286					.500									.031	.029	.029	.022
92																	.018				.005	.016	.005
93						.143													.082	.014	.009	.016	.010
94																				.008			.001
101																							
102																							
103																							

Table 78. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Net Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Palliant Creek	Palliant Creek Lower	Palliant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63										.004				.200			.031	.030					.008
64										.042							.063	.012		.036			.019
71			.100		.062					.046			.045		.500		.188	.280		.036			.076
72			.400							.282		.467	.442	.800			.198	.305		.036	.012	.080	.191
73		.389		.571	.108		.364			.141		.333	.083				.073	.085		.122	.029	.152	.107
74			.200		.200					.076		.200	.135		.100		.052	.012	.167	.180	.035	.184	.098
75		.611			.092					.198			.147		.400		.188	.183	.250	.230	.146	.080	.167
81	1.00		.200	.429	.215					.095			.077				.146	.024	.250	.065	.257	.200	.127
82			.100		.062		.182			.034								.055	.333	.209	.257	.160	.098
83					.031		.455			.038			.026				.063				.088	.056	.038
84					.231					.042			.019					.012		.086	.164	.088	.063
91													.019										.002
92						1.00							.006										.004
93																					.012		.002
94																							
101																							
102																							
103																							

Table 79. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Seine Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63																							
64																							
71			.111							.019			.463	1.00	.286		.215	.292		.039			.065
72			.444							.272		.467					.215	.325		.039	.012	.082	.193
73		.389		.571	.096		.444			.150		.333	.081				.089	.091		.132	.030	.156	.112
74			.222		.115					.094		.200	.125		.143		.063	.013	.167	.194	.036	.189	.100
75		.611			.115					.244			.169		.571		.165	.195	.250	.209	.148	.082	.175
81	1.00		.222	.429	.269					.108			.088				.177	.026	.250	.070	.260	.205	.140
82					.077					.014								.058	.333	.225	.260	.164	.101
83					.038		.556			.047			.029				.076				.089	.033	.040
84					.288					.052			.022							.093	.166	.090	.069
91													.022										.003
92																							
93																							
94																							
101																							
102																							
103																							

Table 80. Estimated Adjusted CWT Weekly Recoveries of Q.C.I. Coho (all ages) by Alaskan Gillnet Gear by Release Site. Proportional Summary of Weekly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa									Selwyn	Athlo-Otard	Tasu		
WEEK	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Haans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Coates Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
62																							
63										.020				1.00			.176	.500					.074
64										.224							.353	.200		.500			.176
71					.308					.163			.350		1.00		.059	.100					.176
72										.327			.300				.118						.176
73					.154					.102			.100										.066
74					.538								.200										.081
75																	.294			.500			.074
81										.041													.015
82			1.00				1.00			.122													.074
83																						1.00	.022
84																		.200					.015
91																							
92						1.00							.050										.037
93																					1.00		.015
94																							
101																							
102																							
103																							

Table 81. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Alaskan Sport (marine) Gear by Release Site. Proportional Summary of Monthly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
MONTH	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Collins Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
JAN.																						
FEB.																						
MARCH																						
APRIL																						
MAY																						
JUNE																						
JULY					1.00					1.00										1.00	.682	.925	.892
AUG.																					.318	.075	.108
SEPT.																							
OCT.																							
NOV.																							
DEC.																							

Table 82. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Sport (marine) Gear by Release Site. Proportional Summary of Monthly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
MONTH	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Collins Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
JAN.																							
FEB.																							
MARCH																.058							.001
APRIL							.040	.333												.015			.002
MAY																							
JUNE					.307							.333	.003		.009		.007			.020			.004
JULY					.273		.066			.029	1.00		.039		.037	.079	.004	.008	.643	.034	.101	.059	.033
AUG.		1.00			.242					.358		.167	.419		.402	.158	.271	.072	.357	.547	.160	.546	.322
SEPT.					.182		.272			.609		.500	.523	1.00	.551	.705	.718	.914		.399	.725	.395	.622
OCT.				1.00			.623	.667		.004			.012					.007					.016
NOV.													.003										.000
DEC.																							

Table 83. Estimated Adjusted CWT Monthly Recoveries of Q.C.I. Coho (all ages) by Northern Canadian Sport (freshwater) Gear by Release Site. Proportional Summary of Monthly Recoveries by each Release Site for All Years Combined: 1983 to 1999.

	Area 1					Area 2 East													Area 2 West			
	Outside Waters		Masset			Skidegate			Copper	Cumshewa								Selwyn	Athlo-Otard	Tasu		
MONTH	Chown Brook Creek	Sangan River	Gold Creek	King Creek	Marie Lake	Deena River	Hans Creek	Sachs Creek	Copper Creek	Braverman Creek	Mathers Creek	Fukwa Creek	Pallant Creek	Pallant Creek Lower	Pallant Creek Upper	Mosquito Creek	Mosquito Lake	Deer Bay	Sewell Head Creek	Collins Creek	Tasu Creek	Tasu+Flat Creek	Total (all release sites)
JAN.																							
FEB.																							
MARCH																							
APRIL																							
MAY																							
JUNE																							
JULY																							
AUG.										.047			.015		.088		.029						.031
SEPT.								.500		.720	1.00		.897	.889	.912		.785	.875					.807
OCT.								.500		.232			.087	.111			.131	.125					.147
NOV.																	.054						.014
DEC.																							

Table 84. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch	Released
1[3]	2000	Tidal			6,650	
	2000	Non-tidal total			unknown	
1	2000	Total		D.F.O.	6,650	
1[3]	1999	Tidal			1,000	
	1999	Non-tidal total			unknown	
1	1999	Total		D.F.O.	1,000	
1	1999	June to September	Creel Survey	Haida Fishery Program	(2,992)	(52,033)
1[4]	1998	Tidal			0	
	1998	Non-tidal total			0	
1	1998	Total		D.F.O.	0	
1	1998	June to September	Creel Survey	Haida Fishery Program	(6)	(44,984)
1	1997	Tidal	Field Observations	other than charter or lodge	134	
	1997	Tidal	Log Book	Charter Boats	197	
	1997	Tidal	Log Book	Lodges	6,636	
	1997	Tidal total			6,967	
	1997	Non-tidal total			unknown	
1	1997	Total		D.F.O.	6,967	
1	1997	June to September	Creel Survey	Haida Fishery Program	(8,379)	(3,800)
1	1996	Tidal	Field Observations	other than charter or lodge	356	
	1996	Tidal	Log Book	Charter Boats	90	
	1996	Tidal	Log Book	Lodges	17,696	
	1996	Tidal total			18,142	
	1996	Non-tidal total			unknown	
1	1996	Total		D.F.O.	18,142	
1	1996	June to September	Creel Survey	Haida Fishery Program	(21,904)	(18,127)
1	1995	Tidal	Field Observations	other than charter or lodge	376	
	1995	Tidal	Log Book	Charter Boats	196	
	1995	Tidal	Log Book	Lodges	7,332	
	1995	Tidal total			7,904	
	1995	Non-tidal total			unknown	
1	1995	Total			7,904	
1	1994	Tidal	Field Observations	other than charter or lodge	1,302	
	1994	Tidal	Log Book	Charter Boats	516	
	1994	Tidal	Log Book	Lodges	9,239	
	1994	Tidal total			11,057	
	1994	Non-tidal total			unknown	
1	1994	Total			11,057	
1	1993	Tidal	Field Observations	other than charter or lodge	703	
	1993	Tidal	Log Book	Charter Boats	170	
	1993	Tidal	Log Book	Lodges	3,524	
	1993	Tidal total			4,397	
	1993	Non-tidal total			unknown	
1	1993	Total			4,397	

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.

[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator, 1996 to 1999: Haida Fishery Program creel survey estimates for June to September.

[3]Time and location retention restrictions.

[4]Non-retention restriction for entire season.

Table 84 cont. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch
1	1992	Tidal	Field Observations	other than charter or lodge	unknown
	1992	Tidal	Log Book	Mixed Lodges/Charter Boats	4,846
	1992	Tidal total			4,846
	1992	Non-tidal total			unknown
1	1992	Total			4,846
1	1991	Tidal	Field Observations	other than charter or lodge	unknown
	1991	Tidal	Log Book	Mixed Lodges/Charter Boats	11,284
	1991	Tidal total			11,284
	1991	Non-tidal total			unknown
1	1991	Total			11,284
1	1990	Tidal	Field Observations	other than charter or lodge	unknown
	1990	Tidal	Log Book	Mixed Lodges/Charter Boats	11,437
	1990	Tidal total			11,437
	1990	Non-tidal total			unknown
1	1990	Total			11,437
1	1989	Tidal	Field Observations	other than charter or lodge	unknown
	1989	Tidal	Log Book	Mixed Lodges/Charter Boats	3,854
	1989	Tidal total			3,854
	1989	Non-tidal total			unknown
1	1989	Total			3,854
1	1988	Tidal	Field Observations	other than charter or lodge	unknown
	1988	Tidal	Log Book	Mixed Lodges/Charter Boats	796
	1988	Tidal total			796
	1988	Non-tidal total			unknown
1	1988	Total			796
1	1987	Tidal	Field Observations	other than charter or lodge	25
	1987	Tidal	Log Book	Lodges	2,015
	1987	Tidal total			2,040
	1987	Non-tidal total			unknown
1	1987	Total			2,040
1	1986	Tidal	Field Observations	other than charter or lodge	0
	1986	Tidal	Log Book	Lodges	1,031
	1986	Tidal total			1,031
	1986	Non-tidal total	Field Observations	other than charter or lodge	200
1	1986	Total			1,231
1	1985	Tidal	Field Observations	other than charter or lodge	220
	1985	Tidal	Log Book	Lodges	280
	1985	Tidal total			500
	1985	Non-tidal total	Field Observations	other than charter or lodge	300
1	1985	Total			800

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.

[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator.

Table 84 cont. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch	Released
2W[3]	2000	Tidal			2,300	
	2000	Non-tidal total			unknown	
2W	2000	Total			2,300	
2W[3]	1999	Tidal			2,200	
	1999	Non-tidal total			unknown	
2W	1999	Total		D.F.O.	2,200	
2W	1999	June to September	Creel Survey	Haida Fishery Program	(1,123)	(188)
2W[4]	1998	Tidal			0	
	1998	Non-tidal total			0	
2W	1998	Total		D.F.O.	0	
2W	1998	June to September	Creel Survey	Haida Fishery Program	(0)	(1,209)
2W	1997	Tidal	Field Observations	other than charter or lodge	275	
	1997	Tidal	Log Book	Charter Boats	456	
	1997	Tidal	Log Book	Lodges	1,824	
	1997	Tidal total			2,555	
	1997	Non-tidal total			unknown	
2W	1997	Total			2,555	
2W	1997	June to September	Creel Survey	Haida Fishery Program	(1,128)	(189)
2W	1996	Tidal	Field Observations	other than charter or lodge	1,711	
	1996	Tidal	Field Observations	Charter Boats	415	
	1996	Tidal	Log Book	Lodges	2,473	
	1996	Tidal total			4,599	
	1996	Non-tidal total			unknown	
2W	1996	Total			4,599	
2W	1996	June to September	Creel Survey	Haida Fishery Program	(768)	(158)
2W	1995	Tidal	Field Observations	other than charter or lodge	139	
	1995	Tidal	Field Observations	Charter Boats	441	
	1995	Tidal	Log Book	Lodges	2,369	
	1995	Tidal total			2,949	
	1995	Non-tidal total			unknown	
2W	1995	Total			2,949	
2W	1994	Tidal	Field Observations	other + charter	480	
	1994	Tidal	Log Book	Lodges	3,806	
	1994	Tidal total			4,286	
	1994	Non-tidal total			unknown	
2W	1994	Total			4,286	
2W	1993	Tidal	Field Observations	other + charter	4,728	
	1993	Tidal	Log Book	Lodges	0	
	1993	Tidal total			4,728	
	1993	Non-tidal total			unknown	
2W	1993	Total			4,728	

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.
[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator, 1996 to 1999: Haida Fishery Program creel survey estimates for June to September.
[3]Time and location retention restrictions.
[4]Non-retention restriction for entire season.

Table 84 cont. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch
2W	1992	Tidal	Field Observations	other + charter	2,094
	1992	Non-tidal total			unknown
2W	1992	Total			2,094
2W	1991	Tidal	Field Observations	other + charter	2,585
	1991	Non-tidal total			unknown
2W	1991	Total			2,585
2W	1990	Tidal	Field Observations	other + charter	1,988
	1990	Non-tidal total			unknown
2W	1990	Total			1,988
2W	1989	Tidal	Field Observations	other + charter	45
	1989	Tidal	unknown type	unknown type	2,535
	1989	Tidal total			2,580
	1989	Non-tidal total			unknown
2W	1989	Total			2,580
2W	1988	Tidal	Field Observations	other than charter or lodge	unknown
	1988	Tidal	Log Book	Charter Boats	unknown
	1988	Tidal	Log Book	Lodges	unknown
	1988	Tidal total			unknown
	1988	Non-tidal total			unknown
2W	1988	Total			unknown
2W	1987	Tidal	Field Observations	other + charter	1,000
	1987	Non-tidal total			unknown
2W	1987	Total			1,000
2W	1986	Tidal	Field Observations	other	unknown
	1986	Tidal	Log Book	Lodge	265
	1986	Non-tidal total			unknown
2W	1986	Total			265
2W	1985	Tidal	Field Observations	other than charter or lodge	unknown
	1985	Tidal	Log Book	Charter Boats	unknown
	1985	Tidal	Log Book	Lodges	unknown
	1985	Tidal total			unknown
	1985	Non-tidal total			unknown
2W	1985	Total			unknown

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.
[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator.

Table 84 cont. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch
2E[3]	2000	Tidal			1,500
	2000	Non-tidal total			unknown
2E	2000	Total			1,500
2E[3]	1999	Tidal			1,000
	1999	Non-tidal total			unknown
2E	1999	Total			1,000
2E[4]	1998	Tidal			0
	1998	Non-tidal total			0
2E	1998	Total			0
2E	1997	Tidal	Field Observations	other than charter or lodge	unknown
	1997	Tidal	Log Book	Mixed Lodge + Charter	0
	1997	Tidal total			0
	1997	Non-tidal total			unknown
2E	1997	Total			0
2E	1996	Tidal	Field Observations	other than charter or lodge	300
	1996	Non-tidal total			unknown
2E	1996	Total			300
2E	1995	Tidal	Field Observations	other than charter or lodge	200
	1995	Non-tidal total	Field Observations	other than charter or lodge	100
2E	1995	Total			300
2E	1994	Tidal	Field Observations	other + charter	0
	1994	Tidal	Log Book	Lodges	379
	1994	Tidal total			379
	1994	Non-tidal total			unknown
2E	1994	Total			379
2E	1993	Tidal	Field Observations	other than charter or lodge	1,330
	1993	Non-tidal total			unknown
2E	1993	Total			1,330

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.

[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator.

[3]Time and location retention restrictions.

[4]Non-retention restriction for entire season.

Table 84 cont. Summary of Q.C.I. Recreational Fishery Coho Catch Data[1, 2] (pieces) for Statistical Areas 1, 2 West and 2 East, 1985 to 2000.

Area	Year	Fishery Location	Survey Type	Catch Source	Coho Catch
2E	1992	Tidal	Field Observations	other than charter or lodge	2,800
	1992	Non-tidal total	Field Observations	other than charter or lodge	567
2E	1992	Total			3,367
2E	1991	Tidal	Field Observations	other than charter or lodge	1,960
	1991	Non-tidal total	Field Observations	other than charter or lodge	595
2E	1991	Total			2,555
2E	1990	Tidal	Field Observations	other than charter or lodge	3,255
	1990	Non-tidal total	Field Observations	other than charter or lodge	420
2E	1990	Total			3,675
2E	1989	Tidal	Field Observations	other + charter	1,995
	1989	Non-tidal total	Field Observations	other + charter	340
2E	1989	Total			2,335
2E	1988	Tidal	Field Observations	other than charter or lodge	2,108
	1988	Tidal	Field Observations	Charter Boats	3,870
	1988	Tidal total			5,978
	1988	Non-tidal total	Field Observations	other than charter or lodge	766
2E	1988	Total			6,744
2E	1987	Tidal	Field Observations	other than charter or lodge	3,476
	1987	Tidal	Field Observations	Charter Boats	1,399
	1987	Tidal	unknown type	unknown type	877
	1987	Tidal total			5,752
	1987	Non-tidal total	Field Observations	other than charter or lodge	1,094
2E	1987	Total			6,846
2E	1986	Tidal	Field Observations	other than charter or lodge	1,701
	1986	Tidal	Field Observations	Charter Boats	917
	1986	Tidal	unknown type	unknown type	100
	1986	Tidal total			2,718
	1986	Non-tidal total	Field Observations	other than charter or lodge	391
2E	1986	Total			3,109
2E	1985	Tidal	Field Observations	other + charter	3,100
	1985	Non-tidal total	Field Observations	other than charter or lodge	575
2E	1985	Total			3,675

[1]Annual data is considered incomplete as field observations were opportunistic in nature and only for summer months, non-tidal fisheries were generally not surveyed.

[2]Data source: 1985-97: North Coast Stock Assessment Recreational Fisheries Database, 1998-2000: North Coast Recreational Fishery Coordinator.

Table 85. Summary of Q.C.I. First Nations Coho Catch Data[1] (pieces) for Statistical Areas 1, 2 East and 2 West, 1980 to 2000.

2000 Catch:

Area	Year	Catch
1[2]	2000	325
2 East[2]	2000	1500
2 West[2]	2000	250
Q.C.I. Total	2000	2075

1990's Catch:

Area	Year	Catch
1[2]	1999	870
2 East[3]	1999	110
2 West[3]	1999	100
Q.C.I. Total	1999	1080
1[3]	1998	868
2 East[3]	1998	350
2 West[3]	1998	188
Q.C.I. Total	1998	1406
1[2]	1997	143
2 East[2]	1997	0
2 West[2]	1997	120
Q.C.I. Total	1997	263
1[2]	1996	750
2 East[3]	1996	6
2 West[3]	1996	25
Q.C.I. Total	1996	781
1[2]	1995	243
2 East[2]	1995	1
2 West[2]	1995	9
Q.C.I. Total	1995	253
1	1994	unknown
2 East[3]	1994	25
2 West[3]	1994	25
Q.C.I. Total	1994	unknown
1[3]	1993	105
2 East	1993	unknown
2 West[3]	1993	1155
Q.C.I. Total	1993	unknown
1	1992	unknown
2 East[3]	1992	350
2 West[3]	1992	1500
Q.C.I. Total	1992	unknown
1[3]	1991	933
2 East[3]	1991	250
2 West	1991	unknown
Q.C.I. Total	1991	unknown
1[3]	1990	253
2 East[3]	1990	150
2 West[3]	1990	643
Q.C.I. Total	1990	1046

1980's Catch:

Area	Year	Catch
1[3]	1989	240
2 East[3]	1989	200
2 West[3]	1989	295
Q.C.I. Total	1989	735
1[3]	1988	250
2 East[3]	1988	485
2 West	1988	unknown
Q.C.I. Total	1988	unknown
1[3]	1987	328
2 East[3]	1987	292
2 West[3]	1987	400
Q.C.I. Total	1987	1020
1	1986	unknown
2 East[3]	1986	224
2 West	1986	unknown
Q.C.I. Total	1986	unknown
1	1985	unknown
2 East[4]	1985	200
2 West	1985	unknown
Q.C.I. Total	1985	unknown
1	1984	unknown
2 East[4]	1984	20
2 West	1984	unknown
Q.C.I. Total	1984	unknown
1	1983	unknown
2 East[4]	1983	30
2 West[4]	1983	100
Q.C.I. Total	1983	
1	1982	unknown
2 East[4]	1982	50
2 Wes4	1982	25
Q.C.I. Total	1982	unknown
1[4]	1981	250
2 East	1981	unknown
2 West[4]	1981	70
Q.C.I. Total	1981	unknown
1	1980	unknown
2 East[4]	1980	125
2 West	1980	unknown
Q.C.I. Total	1980	unknown

[1]Haida Section 35 catch.
[2]Data source: Haida Fisheries Program.
[3]Data source: North Coast Fisheries Management Unit, Record of Management Strategies (unpub.)
[4]Data source: Area History of Salmon Catch

Table 86. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Davidson Cr	Davidson Cr	Davidson Creek	1	Naden	1998	1999	NOCO98243	No Ext. Marks	No Ext. Marks	Unfed	1999/05/04	1999/05/04	0.48	fry	0	0	4000	4000
Davidson Cr	Davidson Cr	Davidson Creek	1	Naden	1998	1999	NOCO98242	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/22	1999/06/22	0.96	fry	0	0	5000	5000
Davidson Cr	Davidson Cr	Davidson Creek	1	Naden	1998	2000	NOCO98453	No Ext. Marks	No Ext. Marks	Smolts	2000/05/16	2000/05/16	13.9	smolt	0	0	2273	2273
Nadu Cr	Deep Cr/QCI	Deep Creek	1	Masset	1983	1984	NOCO83151	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/04/30	0	fry	0	0	95	95
Nadu Cr	Deep Cr/QCI	Deep Creek	1	Masset	1984	1985	NOCO84167	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1985/05/29	1.1	fry	0	0	131	131
Mamin R	Mamin R	Mamin River	1	Masset	1982	1983	NOCO82137	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1983/05/05	2.5	fry	0	0	120	120
Mamin R	Mamin R	Mamin River	1	Masset	1983	1984	NOCO83147	No Ext. Marks	No Ext. Marks	Unfed	/ /	1984/04/30	0.5	fry	0	0	30000	30000
Mamin R	Mamin R	Mamin River	1	Masset	1984	1985	NOCO84163	No Ext. Marks	No Ext. Marks	Unfed	1985/05/13	1985/05/23	0.5	fry	0	0	9720	9720
Mamin R	Blackwater Cr	Mamin River	1	Masset	1986	1987	NOCO86188	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/04/10	2.5	fry	0	0	7000	7000
Mamin R	Mamin R	Mamin River	1	Masset	1986	1987	NOCO86187	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/04/10	2.5	fry	0	0	5000	5000
Mamin R	Blackwater Cr	Mamin River	1	Masset	1987	1988	NOCO87168	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/12	6	fry	0	0	1500	1500
Mamin R	Mamin R	Mamin River	1	Masset	1987	1988	NOCO87167	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/12	6	fry	0	0	1500	1500
Mamin R	Mamin R	Mamin River	1	Masset	1988	1989	NOCO88126	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/02	2	fry	0	0	2500	2500
Mamin R	Mamin R	Mamin River	1	Masset	1990	1991	NOCO90150	No Ext. Marks	No Ext. Marks	Fed Spr	1991/05/28	1991/05/28	3	fry	0	0	9000	9000
Mamin R	Blackwater Cr	Mamin River	1	Masset	1991	1992	NOCO9131	No Ext. Marks	No Ext. Marks	Fed Spr	1992/03/04	1992/04/04	0.8	fry	0	0	23800	23800
Mamin R	Blackwater Cr	Mamin River	1	Masset	1992	1993	NOCO92252	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/16	1993/07/16	6.1	fry	0	0	830	830
Mamin R	Blackwater Cr	Mamin River	1	Masset	1993	1994	NOCO9348	No Ext. Marks	No Ext. Marks	Fed Spr	1994/04/06	1994/04/06	1.6	fry	0	0	11613	11613
Mamin R	Blackwater Cr	Mamin River	1	Masset	1993	1994	NOCO9349	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/25	1994/06/25	6	fry	0	0	2227	2227
Mamin R	Blackwater Cr	Mamin River	1	Masset	1994	1995	NOCO94176	No Ext. Marks	No Ext. Marks	Fed Spr	1995/05/24	1995/05/24	2	fry	0	0	4250	4250
Mamin R	Blackwater Cr	Mamin River	1	Masset	1995	1996	NOCO9578	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/16	1996/05/16	2	fry	0	0	30	30
Mamin R	Blackwater Cr	Mamin River	1	Masset	1995	1996	NOCO9575	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/31	1996/05/31	2.7	fry	0	0	6000	6000
Mamin R	Mamin R	Mamin River	1	Masset	1995	1996	NOCO9576	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/31	1996/05/31	2.7	fry	0	0	7179	7179
Mamin R	Blackwater Cr	Mamin River	1	Masset	1996	1997	NOCO96404	No Ext. Marks	No Ext. Marks	Fed Spr	1997/05/07	1997/06/03	4.12	fry	0	0	3229	3229
Mamin R	Blackwater Cr	Mamin River	1	Masset	1998	1999	NOCO98265	No Ext. Marks	No Ext. Marks	Fed Spr	1999/03/01	1999/05/19	3	fry	0	0	19226	19226
Mamin R	Mamin R	Mamin River	1	Masset	1998	2000	NOCO98455	No Ext. Marks	No Ext. Marks	Smolts	2000/04/27	2000/04/27	22.6	smolt	0	0	1296	1296
Mamin R	Mamin R	Mamin River	1	Masset	1999	2000	NOCO99126	No Ext. Marks	No Ext. Marks	Fed Spr	2000/03/24	2000/05/03	2.7	fry	0	0	11599	11599
Naden R	Naden R	Naden River	1	Naden	1998	1999	NOCO98268	No Ext. Marks	No Ext. Marks	Unfed	1999/05/	1999/05/	0.51	fry	0	0	12000	12000
Millard+Gull	Nadu Cr	Nadu Creek	1	Masset	1982	1983	NOCO82138	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1983/05/15	1	fry	0	0	25	25
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1983	1984	NOCO83150	No Ext. Marks	No Ext. Marks	Unfed	/ /	1984/03/31	0.5	fry	0	0	40	40
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1984	1985	NOCO84166	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1985/04/19	1.5	fry	0	0	126	126
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1985	1986	RV8522	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/06/15	1.75	fry	175	0	0	175
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1986	1987	RV8624	Right Ventral	No Ext. Marks	Fed Spr	/ /	1987/05/31	1.9	fry	125	0	0	125
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1987	1988	NOCO87171	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/05/27	5.5	fry	0	0	50	50
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1988	1989	NOCO88137	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/02	2	fry	0	0	62	62
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1989	1990	NOCO89238	No Ext. Marks	No Ext. Marks	Fed Spr	1990/05/08	1990/05/08	1.8	fry	0	0	136	136
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1990	1991	NOCO90153	No Ext. Marks	No Ext. Marks	Fed Spr	1991/05/13	1991/05/13	0	fry	0	0	110	110
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1991	1992	NOCO91122	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/10	1992/06/10	1.2	fry	0	0	118	118
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1992	1993	NOCO92237	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/21	1993/06/21	1.5	fry	0	0	89	89
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1993	1994	NOCO9352	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/16	1994/06/16	1.6	fry	0	0	95	95
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1994	1995	NOCO94180	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/06	1995/06/06	1.1	fry	0	0	62	62
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1995	1996	NOCO9579	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/27	1996/05/27	2	fry	0	0	30	30
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1996	1997	NOCO96236	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/06	1997/06/06	1.5	fry	0	0	65	65
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1998	1999	NOCO9866	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/	1999/05/	2	fry	0	0	65	65
Mamin R	Rennie Cr	Rennie Creek	1	Masset	1999	2000	NOCO99171	No Ext. Marks	No Ext. Marks	Fed Spr	2000/05/	2000/05/	2	fry	0	0	190	190
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1985	1986	NOCO85196	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1986/06/15	1.2	fry	0	0	1600	1600
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1986	1987	NOCO86164	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/06/15	2	fry	0	0	7500	7500
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1987	1988	NOCO8786	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/11	1.8	fry	0	0	13000	13000
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1988	1989	NOCO8893	No Ext. Marks	No Ext. Marks	Fed Spr	1989/06/22	1989/07/31	2	fry	0	0	14000	14000
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1989	1990	NOCO89168	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1990/05/03	0.7	fry	0	0	17603	17603
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1990	1991	NOCO90154	No Ext. Marks	No Ext. Marks	Fed Spr	1991/05/17	1991/05/17	0	fry	0	0	124	124
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1991	1992	NOCO91120	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/24	1992/06/24	1.4	fry	0	0	23481	23481
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1992	1993	NOCO92228	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/13	1993/07/13	1.7	fry	0	0	16616	16616
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1993	1994	181842	Adipose	No Ext. Marks	Fed Spr	1994/06/15	1994/06/15	2.5	fry	9989	101	504	10594
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1994	1995	NOCO94231	No Ext. Marks	No Ext. Marks	Fed Spr	1995/07/09	1995/07/09	1.1	fry	0	0	15000	15000

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1994	1995	NOCO94178	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/20	1995/06/20	1.3	fry	0	0	212	212
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1995	1996	NOCO9545	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/31	1996/05/31	1.8	fry	0	0	14722	14722
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1996	1997	NOCO96223	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/14	1997/06/14	0.94	fry	0	0	21277	21277
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1997	1998	NOCO97154	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/15	1998/06/15	1.5	fry	0	0	70	70
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1998	1999	NOCO98234	No Ext. Marks	No Ext. Marks	Fed Spr	1999/07/03	1999/07/03	1.6	fry	0	0	30937	30937
Chown Brk	Chown Brk	Sangan River	1	Outside Waters	1998	1999	NOCO9868	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/	1999/05/	2	fry	0	0	130	130
Tomey Cr	Tomey Cr	Tourney Creek	1	Naden	1997	1998	NOCO97150	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/22	1998/06/22	2.14	fry	0	0	1400	1400
Tomey Cr	Tomey Cr	Tourney Creek	1	Naden	1997	1999	NOCO97487	No Ext. Marks	No Ext. Marks	Smolts	1999/04/	1999/04/	10	smolt	0	0	220	220
Tomey Cr	Tomey Cr	Tourney Creek	1	Naden	1998	1999	NOCO98267	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/22	1999/06/22	0.65	fry	0	0	20305	20305
Tomey Cr	Tomey Cr	Tourney Creek	1	Naden	1999	2000	NOCO99119	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/19	2000/06/19	1.04	fry	0	0	5769	5769
Deep Cr/QCI	Wylie Cr	Wylie Creek	1	Masset	1985	1986	RV8520	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/05/31	1.5	fry	150	0	0	150
Deep Cr/QCI	Wylie Cr	Wylie Creek	1	Masset	1985	1986	RV8523	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/06/15	2	fry	150	0	0	150
Wylie Cr	Wylie Cr	Wylie Creek	1	Masset	1986	1987	RV8623	Right Ventral	No Ext. Marks	Fed Spr	/ /	1987/05/01	2.25	fry	325	0	0	325
Deep Cr/QCI	Wylie Cr	Wylie Creek	1	Masset	1986	1987	RV8625	Right Ventral	No Ext. Marks	Fed Spr	/ /	1987/05/31	2.5	fry	75	0	0	75
Deep Cr/QCI	Wylie Cr	Wylie Creek	1	Masset	1987	1988	NOCO87173	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/15	1.5	fry	0	0	80	80
Nadu Cr	Wylie Cr	Wylie Creek	1	Masset	1988	1989	NOCO88140	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/09	1.5	fry	0	0	60	60
Nadu Cr	Wylie Cr	Wylie Creek	1	Masset	1988	1989	NOCO88139	No Ext. Marks	No Ext. Marks	Fed Spr	1989/06/15	1989/06/20	2	fry	0	0	127	127
Nadu Cr	Wylie Cr	Wylie Creek	1	Masset	1989	1990	NOCO89204	No Ext. Marks	No Ext. Marks	Fed Spr	1990/05/04	1990/06/19	1.5	fry	0	0	314	314
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1991	1992	RV9119	Right Ventral	No Ext. Marks	Fed Spr	1992/06/11	1992/06/11	1.6	fry	26	6	105	137
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1992	1993	NOCO92234	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/02	1993/06/02	2.5	fry	0	0	100	100
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1993	1994	RV9306	Right Ventral	No Ext. Marks	Fed Spr	1994/06/09	1994/06/09	2.2	fry	24	0	114	138
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1995	1996	NOCO9577	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/06	1996/06/06	2	fry	0	0	270	270
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1996	1997	NOCO96234	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/10	1997/06/10	1	fry	0	0	100	100
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1997	1998	NOCO97153	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/15	1998/06/15	1.5	fry	0	0	50	50
Chown Brk	Wylie Cr	Wylie Creek	1	Masset	1999	2000	NOCO99170	No Ext. Marks	No Ext. Marks	Fed Spr	2000/05/	2000/05/	2	fry	0	0	450	450
King Cr/QCI	King Cr/QCI	Yakoun River	1	Masset	1980	1981	NOCO8019	No Ext. Marks	No Ext. Marks	Fed Spr	1981/07/23	1981/07/25	1.2	fry	0	0	500	500
King Cr/QCI	King Cr/QCI	Yakoun River	1	Masset	1980	1982	022108	Adipose	No Ext. Marks	Smolts	1981/07/23	1982/03/	23.6	smolt	17065	121	0	17186
King Cr/QCI	King Cr/QCI	Yakoun River	1	Masset	1981	1982	NOCO8130	No Ext. Marks	No Ext. Marks	Fed Fall	1982/08/04	1982/08/05	5.6	fry	0	0	225	225
Gold Cr	Gold Cr	Yakoun River	1	Masset	1981	1982	NOCO8131	No Ext. Marks	No Ext. Marks	Fed Fall	1982/08/04	1982/08/05	6.4	fry	0	0	1680	1680
Wilson Cr/QCI	Wilson Cr/QCI	Yakoun River	1	Masset	1982	1983	NOCO8239	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1983/07/11	3	fry	0	0	40300	40300
King Cr/QCI	King Cr/QCI	Yakoun River	1	Masset	1982	1983	NOCO8240	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1983/07/11	5	fry	0	0	13000	13000
Gold Cr	Gold Cr	Yakoun River	1	Masset	1982	1983	NOCO8241	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1983/06/10	6	fry	0	0	7000	7000
Wilson Cr/QCI	Wilson Cr/QCI	Yakoun River	1	Masset	1983	1984	NOCO8323	No Ext. Marks	No Ext. Marks	Unfed	/ /	1984/05/	0.4	fry	0	0	1000	1000
King Cr/QCI	King Cr/QCI	Yakoun River	1	Masset	1983	1985	NOCO8322	No Ext. Marks	No Ext. Marks	Smolts	1985/05/01	1985/05/02	18.5	smolt	0	0	48000	48000
Gold Cr	Marie Lk	Yakoun River	1	Masset	1983	1985	NOCO8324	No Ext. Marks	No Ext. Marks	Smolts	/ /	1985/05/03	21	smolt	0	0	18000	18000
Gold Cr	Marie Lk	Yakoun River	1	Masset	1986	1987	NOCO86313	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1987/09/06	8	fry	0	0	28405	28405
Gold Cr	Marie Lk	Yakoun River	1	Masset	1986	1988	024332	Adipose	No Ext. Marks	Smolts	/ /	1988/05/17	26.6	smolt	14448	0	0	14448
Gold Cr	Gold Cr	Yakoun River	1	Masset	1987	1989	025556	Adipose	No Ext. Marks	Smolts	/ /	1989/05/17	26.6	smolt	10265	104	732	11101
Gold Cr	Gold Cr	Yakoun River	1	Masset	1987	1989	025557	Adipose	No Ext. Marks	Smolts	/ /	1989/05/17	26.6	smolt	10442	105	732	11279
Yakoun R	Gold Cr	Yakoun River	1	Masset	1988	1990	026307	Adipose	No Ext. Marks	Smolts	1990/04/23	1990/04/23	19	smolt	26300	0	0	26300
Yakoun R	Marie Lk	Yakoun River	1	Masset	1989	1991	026148	Adipose	No Ext. Marks	Smolts	1991/05/15	1991/05/15	20	smolt	10302	0	3714	14016
Yakoun R	Marie Lk	Yakoun River	1	Masset	1989	1991	026149	Adipose	No Ext. Marks	Smolts	1991/05/15	1991/05/15	20	smolt	10008	0	3714	13722
Yakoun R	Marie Lk	Yakoun River	1	Masset	1989	1991	026150	Adipose	No Ext. Marks	Smolts	1991/05/15	1991/05/15	20	smolt	9933	0	3714	13647
Yakoun R	Marie Lk	Yakoun River	1	Masset	1990	1992	021222	Adipose	No Ext. Marks	Smolts	1992/05/06	1992/05/06	19.94	smolt	6402	65	1250	7717
Yakoun R	Marie Lk	Yakoun River	1	Masset	1990	1992	021223	Adipose	No Ext. Marks	Smolts	1992/05/06	1992/05/06	19.94	smolt	6468	65	1250	7783
Yakoun R	Marie Lk	Yakoun River	1	Masset	1991	1992	NOCO91400	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/24	1992/06/24	5	fry	0	0	37600	37600
Yakoun R	Marie Lk	Yakoun River	1	Masset	1991	1993	020925	Adipose	No Ext. Marks	Smolts	1993/06/30	1993/06/30	19	smolt	7129	0	0	7129
Yakoun R	Marie Lk	Yakoun River	1	Masset	1991	1993	020926	Adipose	No Ext. Marks	Smolts	1993/06/30	1993/06/30	19	smolt	7173	0	0	7173
Yakoun R	Marie Lk	Yakoun River	1	Masset	1991	1993	020927	Adipose	No Ext. Marks	Smolts	1993/06/30	1993/06/30	19	smolt	7348	0	0	7348
Yakoun R	Marie Lk	Yakoun River	1	Masset	1992	1993	NOCO92420	No Ext. Marks	No Ext. Marks	Fed Spr	1993/05/	1993/05/	2.5	fry	0	0	32785	32785
Yakoun R	Marie Lk	Yakoun River	1	Masset	1992	1994	021235	Adipose	No Ext. Marks	Smolts	1994/05/23	1994/05/23	19.5	smolt	10043	0	0	10043
Yakoun R	Marie Lk	Yakoun River	1	Masset	1992	1994	021236	Adipose	No Ext. Marks	Smolts	1994/05/23	1994/05/23	19.5	smolt	9981	0	0	9981
Yakoun R	Marie Lk	Yakoun River	1	Masset	1992	1994	021237	Adipose	No Ext. Marks	Smolts	1994/05/23	1994/05/23	19.5	smolt	9970	0	0	9970
Yakoun R	Yakoun R	Yakoun River	1	Masset	1993	1994	NOCO93267	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/	1994/05/	3	fry	0	0	18000	18000
Yakoun R	Marie Lk	Yakoun River	1	Masset	1993	1995	180717	Adipose	No Ext. Marks	Smolts	1995/05/27	1995/05/27	20	smolt	11132	0	785	11917

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Yakoun R	Marie Lk	Yakoun River	1	Masset	1993	1995	180716	Adipose	No Ext. Marks	Smolts	1995/05/27	1995/05/27	20	smolt	11780	0	830	12610
Yakoun R	Marie Lk	Yakoun River	1	Masset	1993	1995	020515	Adipose	No Ext. Marks	Smolts	1995/05/27	1995/05/27	20	smolt	5463	0	385	5848
Yakoun R	Marie Lk	Yakoun River	1	Masset	1994	1996	181113	Adipose	No Ext. Marks	Smolts	1996/05/08	1996/05/08	20	smolt	10546	36	5519	16101
Yakoun R	Marie Lk	Yakoun River	1	Masset	1994	1996	181114	Adipose	No Ext. Marks	Smolts	1996/05/08	1996/05/08	20	smolt	10635	33	5564	16232
Yakoun R	Marie Lk	Yakoun River	1	Masset	1994	1996	181115	Adipose	No Ext. Marks	Smolts	1996/05/08	1996/05/08	20	smolt	5694	18	2979	8691
Yakoun R	Sheila Lk	Yakoun River	1	Masset	1995	1996	NOCO95420	No Ext. Marks	No Ext. Marks	Fed Fall	1996/10/	1996/10/	5	fry	0	0	7000	7000
Yakoun R	Yakoun R	Yakoun River	1	Masset	1996	1998	NOCO96402	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/24	1998/06/24	4.7	fry	0	0	2468	2468
Yakoun R	Yakoun R	Yakoun River	1	Masset	1998	2000	NOCO98425	No Ext. Marks	No Ext. Marks	Smolts	2000/05/15	2000/05/15	21.7	smolt	0	0	40166	40166
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1984	1985	NOCO84111	No Ext. Marks	No Ext. Marks	Unfed	/ /	1985/05/19	0.5	fry	0	0	4600	4600
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1984	1985	NOCO84112	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1985/05/09	1.5	fry	0	0	120	120
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1984	1985	NOCO8494	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1985/06/10	2.25	fry	0	0	1786	1786
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1985	1986	NOCO85137	No Ext. Marks	No Ext. Marks	Unfed	/ /	1986/04/30	0.5	fry	0	0	2800	2800
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1985	1986	RV8519	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/05/31	2.5	fry	100	0	0	100
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1986	1987	NOCO86103	No Ext. Marks	No Ext. Marks	Fed Spr	1987/05/15	1987/06/15	1.4	fry	0	0	5700	5700
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1987	1988	NOCO8765	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/05/31	0.8	fry	0	0	1500	1500
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1987	1988	NOCO87170	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/06	4.5	fry	0	0	100	100
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1988	1989	NOCO88221	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/06	1.6	fry	0	0	5500	5500
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1988	1989	NOCO88136	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/26	2.9	fry	0	0	65	65
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1989	1990	NOCO89148	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1990/04/28	0.95	fry	0	0	7631	7631
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1989	1990	NOCO89241	No Ext. Marks	No Ext. Marks	Fed Spr	1990/05/25	1990/05/25	2.5	fry	0	0	68	68
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1990	1991	NOCO90152	No Ext. Marks	No Ext. Marks	Fed Spr	1991/05/31	1991/05/31	2	fry	0	0	110	110
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1990	1991	NOCO90143	No Ext. Marks	No Ext. Marks	Fed Spr	1991/06/19	1991/06/19	2	fry	0	0	6190	6190
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1991	1992	NOCO91123	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/22	1992/06/22	1.5	fry	0	0	185	185
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1991	1992	NOCO91118	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/15	1992/06/16	1.7	fry	0	0	19012	19012
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1992	1994	NOCO92392	No Ext. Marks	No Ext. Marks	Smolts	1994/05/	1994/05/	0	fry	0	0	600	600
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1992	1993	NOCO92235	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/18	1993/06/18	1	fry	0	0	175	175
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1992	1993	NOCO92227	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/18	1993/06/25	2.2	fry	0	0	16048	16048
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1993	1995	NOCO93371	No Ext. Marks	No Ext. Marks	Smolts	1995/05/	1995/05/	0	fry	0	0	300	300
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1993	1994	NOCO9350	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/17	1994/06/17	1.2	fry	0	0	175	175
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1993	1994	NOCO9341	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/23	1994/05/23	1.6	fry	0	0	15500	15500
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1994	1995	NOCO94177	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/14	1995/06/15	1	fry	0	0	191	191
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1994	1995	NOCO94168	No Ext. Marks	No Ext. Marks	Fed Spr	1995/07/01	1995/07/01	1.4	fry	0	0	11500	11500
Agnes Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1994	1996	NOCO94302	No Ext. Marks	No Ext. Marks	Smolts	1996/05/	1996/05/	20	smolt	0	0	500	500
Sachs Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1995	1996	NOCO9580	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/21	1996/06/21	2	fry	0	0	130	130
Sachs Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1996	1997	NOCO96237	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/20	1997/06/20	1	fry	0	0	250	250
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1996	1997	NOCO96444	No Ext. Marks	No Ext. Marks	Fed Spr	1997/05/23	1997/05/23	1.1	fry	0	0	7727	7727
Haans Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1996	1997	NOCO96445	No Ext. Marks	No Ext. Marks	Fed Fall	1997/08/14	1997/08/14	5.5	fry	0	0	1636	1636
Sachs Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1997	1998	NOCO97158	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/25	1998/06/25	1.5	fry	0	0	180	180
Sachs Cr	Agnes Cr	Agnes Creek	2E	Skidegate	1998	1999	NOCO9865	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/	1999/06/	2	fry	0	0	130	130
Haans Cr	Blnce Rock Cr	Balance Rock Creek	2E	Skidegate	1999	2000	NOCO99172	No Ext. Marks	No Ext. Marks	Fed Spr	2000/05/	2000/05/	2	fry	0	0	250	250
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1984	1985	RV8415	Right Ventral	No Ext. Marks	Fed Spr	/ /	1985/06/18	0.62	fry	5000	0	12000	17000
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1985	1986	RV8516	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/06/	0.65	fry	6000	0	15000	21000
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1986	1987	RV8646	Right Ventral	No Ext. Marks	Fed Spr	/ /	1987/07/01	0	fry	7000	0	18000	25000
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1987	1988	NOCO87185	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/07/15	4	fry	0	0	20000	20000
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1988	1989	NOCO88188	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/08/26	0	fry	0	0	18000	18000
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1990	1991	NOCO90228	No Ext. Marks	No Ext. Marks	Fed Spr	1991/07/17	1991/07/31	2.5	fry	0	0	7800	7800
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1991	1992	NOCO91126	No Ext. Marks	No Ext. Marks	Fed Spr	1992/07/14	1992/07/14	4.25	fry	0	0	4088	4088
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1992	1993	NOCO92240	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/12	1993/06/12	1.4	fry	0	0	17650	17650
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1994	1995	NOCO94181	No Ext. Marks	No Ext. Marks	Fed Spr	1995/07/18	1995/07/18	1.9	fry	0	0	17368	17368
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1995	1996	NOCO9582	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/	1996/05/	1.19	fry	0	0	14286	14286
Big Goose Cr	Big Goose Cr	Big Goose Creek	2E	Selwyn	1996	1997	NOCO96267	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/05	1997/07/05	2.5	fry	0	0	7200	7200
Blaine Cr	Blaine Cr	Blaine Creek	2E	Copper	1992	1993	NOCO92253	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/17	1993/07/17	2.4	fry	0	0	14570	14570
Haans Cr	Blaine Cr	Blaine Creek	2E	Copper	1996	1997	NOCO96446	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/18	1997/07/15	3.44	fry	0	0	13954	13954
Haans Cr	Blaine Cr	Blaine Creek	2E	Copper	1997	1998	NOCO97147	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/26	1998/05/26	1.53	fry	0	0	7843	7843
Blaine Cr	Blaine Cr	Blaine Creek	2E	Copper	1998	1999	NOCO98241	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/16	1999/06/16	2.3	fry	0	0	8283	8283

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Jungle Cr	Branch 10 Cr	Branch 10 Creek	2E	Skidegate	1990	1991	NOCO90172	No Ext. Marks	No Ext. Marks	Fed Spr	1991/07/03	1991/07/10	1.75	fry	0	0	5000	5000
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1984	1985	023250	Adipose	No Ext. Marks	Fed Spr	/ /	1985/06/06	1.6	fry	49561	3845	50247	103653
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1985	1986	023526	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/24	1.8	fry	21373	325	32867	54565
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1985	1986	023527	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/24	1.8	fry	21351	216	32669	54236
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1985	1986	023528	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/24	1.8	fry	21384	107	32553	54044
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1985	1986	023529	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/24	1.8	fry	21173	149	32297	53619
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024430	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	1.7	fry	10452	106	11257	21815
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024431	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	1.7	fry	10269	285	11060	21614
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024444	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	1.7	fry	10330	126	11125	21581
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024445	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	1.7	fry	10439	84	11243	21766
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024446	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	1.7	fry	9969	157	10737	20863
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024447	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	2.5	fry	10364	137	11162	21663
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024448	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	2.5	fry	10438	95	11242	21775
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024449	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	2.5	fry	9986	132	10755	20873
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024450	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	2.5	fry	10507	96	11316	21919
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1986	1987	024451	Adipose	No Ext. Marks	Fed Spr	1987/05/28	1987/05/29	2.5	fry	10143	123	10924	21190
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025044	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	10503	254	10769	21526
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025045	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	10181	473	10438	21092
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025046	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	10052	566	10306	20924
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025047	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	10229	413	10487	21129
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025545	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	9652	133	10055	19840
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025546	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	10547	195	10988	21730
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025548	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	9761	442	10169	20372
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025551	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.2	fry	9395	213	9788	19396
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025540	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.5	fry	10190	222	10345	20757
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1987	1988	025543	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/09	3.5	fry	10496	117	10655	21268
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026114	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.2	fry	9707	646	7855	18208
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026115	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.2	fry	9333	1221	7552	18106
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026116	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.2	fry	9992	595	8086	18673
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026117	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.2	fry	9725	866	7870	18461
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026118	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.2	fry	10222	354	8272	18848
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026119	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.4	fry	10315	0	10532	20847
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026120	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.4	fry	9704	495	9908	20107
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026121	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.4	fry	9630	617	10139	20386
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026122	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.4	fry	10243	234	10459	20936
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1988	1989	026123	Adipose	No Ext. Marks	Fed Spr	/ /	1989/06/22	4.4	fry	10104	475	10378	21017
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1989	1990	020824	Adipose	No Ext. Marks	Fed Spr	1990/06/12	1990/06/14	3.1	fry	51182	875	125323	177380
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1990	1991	025656	Adipose	No Ext. Marks	Fed Spr	/ /	1991/06/19	3.1	fry	44983	2821	149868	197672
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1991	1992	180832	Adipose	No Ext. Marks	Fed Spr	/ /	1992/06/04	3.1	fry	52079	706	149715	202500
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1992	1993	180847	Adipose	No Ext. Marks	Fed Spr	/ /	1993/06/02	2.2	fry	47019	828	82272	130119
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1993	1994	NOCO9374	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1994/05/25	3.3	fry	0	0	124961	124961
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1994	1995	NOCO9448	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1995/06/15	2.6	fry	0	0	177375	177375
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1995	1996	NOCO9536	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1996/06/11	2	fry	0	0	78169	78169
Braverman Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1995	1996	NOCO9537	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1996/06/11	2.2	fry	0	0	87878	87878
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1996	1997	NOCO96174	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1997/06/18	3.9	fry	0	0	200000	200000
Pallant Cr	Braverman Cr	Braverman Creek	2E	Cumshewa	1997	1998	NOCO9795	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1998/06/09	3.5	fry	0	0	105066	105066
Gore Brk	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1982	1983	NOCO82136	No Ext. Marks	No Ext. Marks	Unfed	/ /	1983/04/30	0.5	fry	0	0	190	190
Honna R	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1983	1984	NOCO83149	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/04/30	3	fry	0	0	33	33
Charlie Hartie	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1985	1986	RV8521	Right Ventral	No Ext. Marks	Fed Spr	/ /	1986/06/15	1.5	fry	120	0	0	180
Honna R	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1987	1988	NOCO87169	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/15	0	fry	0	0	65	65
Honna R	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1988	1989	NOCO88135	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/15	2	fry	0	0	130	130
Honna R	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1989	1990	NOCO89250	No Ext. Marks	No Ext. Marks	Fed Spr	1990/04/27	1990/04/27	1	fry	0	0	68	68
Honna R	Charlie Hartie	Charlie Hartie Creek	2E	Skidegate	1990	1991	NOCO90151	No Ext. Marks	No Ext. Marks	Fed Spr	1991/05/21	1991/05/22	0	fry	0	0	380	380
Hart Cr	Hart Cr	Copper River	2E	Copper	1978	1979	NOCO7802	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1979/07/04	2.6	fry	0	0	18817	18817
Baxter Cr	Swamp Lk	Copper River	2E	Copper	1996	1997	NOCO96419	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/18	1997/06/18	3.61	fry	0	0	12604	12604

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Baxter Cr	Swamp Lk	Copper River	2E	Copper	1997	1998	NOCO97145	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/19	1998/05/19	1.96	fry	0	0	1118	1118
Haans Cr	Swamp Lk	Copper River	2E	Copper	1997	1998	NOCO97148	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/19	1998/05/19	1.96	fry	0	0	10357	10357
Baxter Cr	Swamp Lk	Copper River	2E	Copper	1998	1999	NOCO98231	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/02	1999/06/02	1.96	fry	0	0	21378	21378
Baxter Cr	Baxter Cr	Copper River	2E	Copper	1999	2000	NOCO99116	No Ext. Marks	No Ext. Marks	Fed Spr	2000/05/15	2000/06/12	1.3	fry	0	0	47849	47849
Honna R	Crabapple Cr	Crabapple Creek	2E	Skidegate	1989	1990	NOCO89230	No Ext. Marks	No Ext. Marks	Fed Spr	1990/04/27	1990/04/27	1	fry	0	0	134	134
Honna R	Crabapple Cr	Crabapple Creek	2E	Skidegate	1992	1993	NOCO92257	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/28	1993/06/28	2.45	fry	0	0	5102	5102
Jungle Cr	Crush Cr	Crush Creek	2E	Tlell	1987	1988	NOCO87125	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	0.75	fry	0	0	5000	5000
Jungle Cr	Crush Cr	Crush Creek	2E	Tlell	1988	1989	NOCO8859	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/31	1.5	fry	0	0	5000	5000
Lawn Cr	Crush Cr	Crush Creek	2E	Tlell	1989	1990	NOCO89211	No Ext. Marks	No Ext. Marks	Fed Spr	1990/04/10	1990/05/30	1.7	fry	0	0	9756	9756
Jungle Cr	Crush Cr	Crush Creek	2E	Tlell	1990	1991	NOCO90149	No Ext. Marks	No Ext. Marks	Fed Spr	1991/07/03	1991/07/10	1.75	fry	0	0	10000	10000
Jungle Cr	Crush Cr	Crush Creek	2E	Tlell	1992	1993	NOCO92230	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/28	1993/06/29	2.5	fry	0	0	8081	8081
Lawn Cr	Crush Cr	Crush Creek	2E	Tlell	1993	1994	NOCO9347	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/13	1994/05/20	1.5	fry	0	0	8840	8840
Girard Cr	Girard Cr	Girrard Creek	2E	Skidegate	1985	1986	NOCO85145	No Ext. Marks	No Ext. Marks	Unfed	/ /	1986/04/30	0.5	fry	0	0	5267	5267
Jungle Cr	Girard Cr	Girrard Creek	2E	Skidegate	1987	1988	NOCO87126	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	0.75	fry	0	0	4000	4000
Jungle Cr	Girard Cr	Girrard Creek	2E	Skidegate	1988	1989	NOCO8860	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/31	1.5	fry	0	0	5000	5000
Girard Cr	Girard Cr	Girrard Creek	2E	Skidegate	1989	1990	NOCO89218	No Ext. Marks	No Ext. Marks	Unfed	/ /	1990/04/12	0.44	fry	0	0	5550	5550
Honna R	Gore Brk	Gore Brook Creek	2E	Skidegate	1991	1992	RV9120	Right Ventral	No Ext. Marks	Fed Spr	1992/06/09	1992/06/16	1.4	fry	95	24	260	379
Honna R	Gore Brk	Gore Brook Creek	2E	Skidegate	1992	1993	NOCO92236	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/01	1993/06/01	1.5	fry	0	0	260	260
Honna R	Gore Brk	Gore Brook Creek	2E	Skidegate	1993	1994	NOCO9351	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/08	1994/06/08	1.2	fry	0	0	246	246
Tarundl Cr	Gore Brk	Gore Brook Creek	2E	Skidegate	1995	1996	NOCO9581	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/05	1996/06/05	2	fry	0	0	200	200
Honna R	Gore Brk	Gore Brook Creek	2E	Skidegate	1996	1997	NOCO96235	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/09	1997/06/09	1	fry	0	0	100	100
Honna R	Gore Brk	Gore Brook Creek	2E	Skidegate	1997	1998	NOCO97157	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/20	1998/06/20	1.5	fry	0	0	240	240
Gray Bay Cr	Gray Bay Cr	Gray Bay Creek	2E	Copper	1994	1995	NOCO94172	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/13	1995/06/13	1.8	fry	0	0	16000	16000
Gray Bay Cr	Heather Lk	Gray Bay Creek	2E	Copper	1996	1997	NOCO96427	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/12	1997/07/12	1.77	fry	0	0	12572	12572
Gray Bay Cr	Heather Lk	Gray Bay Creek	2E	Copper	1997	1998	NOCO97162	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/22	1998/05/22	1.64	fry	0	0	17062	17062
Gray Bay Cr	Heather Lk	Gray Bay Creek	2E	Copper	1998	1999	NOCO98247	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/25	1999/05/25	0.81	fry	0	0	15062	15062
Gray Bay Cr	Gray Bay Cr	Gray Bay Creek	2E	Copper	1999	2000	NOCO99121	No Ext. Marks	No Ext. Marks	Fed Spr	2000/05/25	2000/05/25	1.59	fry	0	0	25160	25160
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1981	1982	022404	Adipose	No Ext. Marks	Fed Spr	1982/07/	1982/08/	2	fry	39730	0	17955	57685
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1983	1984	NOCO8392	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/05/15	0.7	fry	0	0	48500	48500
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1984	1985	022835	Adipose	No Ext. Marks	Fed Spr	1985/06/09	1985/06/21	2.88	fry	43504	664	4440	48608
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1985	1986	NOCO85122	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1986/06/01	2	fry	0	0	21000	21000
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1986	1987	NOCO8687	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/05/10	2	fry	0	0	8000	8000
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1987	1988	NOCO87181	No Ext. Marks	No Ext. Marks	Fed Spr	1988/04/30	1988/05/07	2	fry	0	0	34000	34000
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1987	1989	NOCO87260	No Ext. Marks	No Ext. Marks	Smolts	/ /	1989/06/06	15	smolt	0	0	500	500
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1988	1989	NOCO88220	No Ext. Marks	No Ext. Marks	Fed Spr	1989/06/06	1989/06/16	1.6	fry	0	0	23100	23100
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1988	1990	NOCO88267	No Ext. Marks	No Ext. Marks	Smolts	/ /	1990/05/20	18	smolt	0	0	2000	2000
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1989	1990	NOCO89119	No Ext. Marks	No Ext. Marks	Fed Spr	1990/04/24	1990/04/25	1.7	fry	0	0	21400	21400
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1989	1991	NOCO89261	No Ext. Marks	No Ext. Marks	Smolts	1991/04/30	1991/04/30	16.5	smolt	0	0	3500	3500
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1990	1991	NOCO9083	No Ext. Marks	No Ext. Marks	Fed Spr	1991/06/17	1991/06/21	1.5	fry	0	0	29800	29800
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1990	1992	NOCO9076	No Ext. Marks	No Ext. Marks	Smolts	1992/05/02	1992/05/02	15	smolt	0	0	4700	4700
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1991	1992	NOCO91125	No Ext. Marks	No Ext. Marks	Fed Spr	1992/07/02	1992/07/07	2	fry	0	0	26443	26443
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1992	1993	NOCO92238	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/24	1993/07/08	2	fry	0	0	22795	22795
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1993	1994	NOCO9342	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/23	1994/05/25	2.2	fry	0	0	13161	13161
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1994	1995	NOCO94169	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/25	1995/06/25	1.4	fry	0	0	23776	23776
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1996	1998	NOCO96398	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/30	1998/05/30	1.71	fry	0	0	10175	10175
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1997	1998	NOCO97146	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/26	1998/05/26	1.53	fry	0	0	9804	9804
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1998	1999	NOCO98269	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/	1999/05/	2	fry	0	0	22753	22753
Haans Cr	Haans Cr	Haans Creek	2E	Skidegate	1999	2000	NOCO99117	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/06	2000/06/06	1.55	fry	0	0	28000	28000
Honna R	Stanley Lk	Honna River	2E	Skidegate	1986	1987	RV8642	Right Ventral	No Ext. Marks	Fed Fall	/ /	1987/08/06	1.6	fry	26657	0	0	26657
Honna R	Stanley Lk	Honna River	2E	Skidegate	1988	1989	LV8821	Left Ventral	No Ext. Marks	Fed Fall	/ /	1989/07/21	3.5	fry	29411	0	0	29411
Honna R	Stanley Lk	Honna River	2E	Skidegate	1991	1992	NOCO91251	No Ext. Marks	No Ext. Marks	Fed Spr	1992/06/23	1992/06/23	2.1	fry	0	0	87379	87379
Honna R	Stanley Lk	Honna River	2E	Skidegate	1992	1993	NOCO9255	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/01	1993/07/01	2.16	fry	0	0	62644	62644
Honna R	Stanley Lk	Honna River	2E	Skidegate	1993	1994	NOCO93149	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/22	1994/07/04	1.6	fry	0	0	33114	33114
Honna R	Honna R	Honna River	2E	Skidegate	1994	1995	NOCO94179	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/26	1995/06/26	1.24	fry	0	0	249	249
Honna R	Honna R	Honna River	2E	Skidegate	1994	1995	NOCO94182	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/30	1995/06/30	1.4	fry	0	0	72780	72780

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Honna R	Stanley Lk	Honna River	2E	Skidegate	1996	1997	NOCO96403	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/04	1997/07/04	1.07	fry	0	0	58011	58011
Honna R	Stanley Lk	Honna River	2E	Skidegate	1997	1998	NOCO97160	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/20	1998/05/28	0.92	fry	0	0	39660	39660
Honna R	Honna R	Honna River	2E	Skidegate	1997	1998	NOCO97156	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/27	1998/05/27	1.5	fry	0	0	60	60
Honna R	Stanley Lk	Honna River	2E	Skidegate	1998	1999	NOCO98246	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/23	1999/06/23	1.17	fry	0	0	39700	39700
Honna R	Honna R	Honna River	2E	Skidegate	1998	1999	NOCO9867	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/	1999/05/	2	fry	0	0	260	260
Honna R	Honna R	Honna River	2E	Skidegate	1999	2000	NOCO99122	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/23	2000/06/23	1.23	fry	0	0	30000	30000
Jungle Cr	Ink Lk	Ink Lake Creek	2E	Skidegate	1987	1988	NOCO87124	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	0.75	fry	0	0	7000	7000
Mollitors Cr	Ink Lk	Ink Lake Creek	2E	Skidegate	1988	1989	NOCO8857	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/31	1	fry	0	0	5000	5000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1986	1987	NOCO86116	No Ext. Marks	No Ext. Marks	Unfed	/ /	1987/03/15	0.5	fry	0	0	14000	14000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1986	1987	NOCO86117	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/05/01	2	fry	0	0	7000	7000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1987	1988	NOCO87123	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	0.75	fry	0	0	12000	12000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1988	1989	NOCO8858	No Ext. Marks	No Ext. Marks	Unfed	/ /	1989/05/01	0.5	fry	0	0	15000	15000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1989	1990	NOCO89234	No Ext. Marks	No Ext. Marks	Unfed	1990/04/09	1990/04/11	0.4	fry	0	0	13262	13262
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1990	1991	NOCO90173	No Ext. Marks	No Ext. Marks	Fed Spr	1991/07/03	1991/07/10	1.75	fry	0	0	5500	5500
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1990	1992	NOCO90353	No Ext. Marks	No Ext. Marks	Smolts	1992/05/14	1992/05/14	17	smolt	0	0	3979	3979
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1992	1993	NOCO92231	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/28	1993/06/29	2.5	fry	0	0	5202	5202
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1993	1995	NOCO93374	No Ext. Marks	No Ext. Marks	Smolts	1995/05/	1995/05/	15	smolt	0	0	7000	7000
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1994	1995	NOCO94173	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/29	1995/06/29	2	fry	0	0	17594	17594
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1994	1996	NOCO94306	No Ext. Marks	No Ext. Marks	Smolts	1996/05/	1996/05/	20	smolt	0	0	5807	5807
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1995	1996	NOCO9572	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/20	1996/06/20	1.3	fry	0	0	15835	15835
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1995	1997	NOCO95404	No Ext. Marks	No Ext. Marks	Smolts	1997/05/05	1997/05/05	16	smolt	0	0	3300	3300
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1996	1997	NOCO96225	No Ext. Marks	No Ext. Marks	Fed Spr	1997/05/27	1997/05/28	0.86	fry	0	0	18195	18195
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1996	1998	NOCO96400	No Ext. Marks	No Ext. Marks	Smolts	1998/04/02	1998/04/02	20.3	smolt	0	0	1936	1936
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1997	1998	NOCO97151	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/28	1998/06/12	1.1	fry	0	0	26078	26078
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1997	1999	NOCO97498	No Ext. Marks	No Ext. Marks	Smolts	1999/04/16	1999/04/16	16.4	smolt	0	0	4518	4518
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1998	1999	NOCO98244	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/13	1999/06/13	0.97	fry	0	0	46340	46340
Jungle Cr	Jungle Cr	Jungle Creek	2E	Skidegate	1999	2000	NOCO99125	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/14	2000/06/14	1.31	fry	0	0	20144	20144
Lagoon Cr/QCI	Lagoon Cr/QCI	Lagoon Creek	2E	Selwyn	1982	1983	NOCO8261	No Ext. Marks	No Ext. Marks	Unfed	/ /	1983/04/30	0.5	fry	0	0	15000	15000
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1984	1985	NOCO84121	No Ext. Marks	No Ext. Marks	Unfed	1985/04/21	1985/04/28	0.5	fry	0	0	11300	11300
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1985	1986	NOCO85143	No Ext. Marks	No Ext. Marks	Unfed	1986/04/15	1986/05/15	0.5	fry	0	0	44598	44598
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1986	1987	NOCO86114	No Ext. Marks	No Ext. Marks	Unfed	/ /	1987/03/15	0.5	fry	0	0	24000	24000
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1987	1988	NOCO87121	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	1.25	fry	0	0	19000	19000
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1988	1989	NOCO8855	No Ext. Marks	No Ext. Marks	Unfed	/ /	1989/04/30	0.5	fry	0	0	18000	18000
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1989	1990	NOCO89149	No Ext. Marks	No Ext. Marks	Fed Spr	1990/04/10	1990/05/30	1.7	fry	0	0	16496	16496
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1990	1991	NOCO90147	No Ext. Marks	No Ext. Marks	Unfed	1991/04/	1991/04/	0	fry	0	0	20000	20000
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1992	1993	NOCO92232	No Ext. Marks	No Ext. Marks	Unfed	1993/04/14	1993/04/27	0.43	fry	0	0	15100	15100
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1993	1994	NOCO8346	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/13	1994/05/20	1.5	fry	0	0	12500	12500
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1994	1995	NOCO94230	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/07	1995/06/07	1.5	fry	0	0	14900	14900
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1995	1996	NOCO9573	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/30	1996/06/30	1.87	fry	0	0	17647	17647
Lawn Cr	Lawn Cr	Lawn Creek	2E	Skidegate	1996	1997	NOCO96227	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/16	1997/06/16	1.75	fry	0	0	10000	10000
Mathers Cr	Mathers Lk	Mathers Creek	2E	Cumshewa	1988	1989	NOCO8806	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/10	1.1	fry	0	0	74233	74233
Mathers Cr	Mathers Cr	Mathers Creek	2E	Cumshewa	1989	1990	026028	Adipose	No Ext. Marks	Fed Spr	1990/06/05	1990/06/05	3.4	fry	31080	382	15552	46994
Mathers Cr	Fukwa Cr	Mathers Creek	2E	Cumshewa	1990	1991	025655	Adipose	No Ext. Marks	Fed Fall	/ /	1991/10/07	13	smolt	45967	819	30039	76825
Mathers Cr	Mathers Cr	Mathers Creek	2E	Cumshewa	1991	1992	NOCO9106	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1992/05/26	2.6	fry	0	0	7000	7000
Mathers Cr	Fukwa Cr	Mathers Creek	2E	Cumshewa	1991	1992	180831	Adipose	No Ext. Marks	Fed Spr	/ /	1992/05/26	3.1	fry	47041	479	19742	68162
Mathers Cr	Fukwa Cr	Mathers Creek	2E	Cumshewa	1992	1993	NOCO9208	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1993/04/23	0.7	fry	0	0	49087	49087
Miller Cr	Miller Cr	Miller Creek	2E	Skidegate	1985	1986	NOCO8564	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1986/09/18	6	fry	0	0	10203	10203
Slarkedus R	Mission/QCI	Mission Creek	2E	Skidegate	1984	1985	NOCO8450	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1985/09/15	6	fry	0	0	950	950
Slarkedus R	Mission/QCI	Mission Creek	2E	Skidegate	1985	1986	NOCO8563	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1986/05/26	2.5	fry	0	0	20499	20499
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1985	1986	NOCO85144	No Ext. Marks	No Ext. Marks	Unfed	/ /	1986/04/30	0.5	fry	0	0	38314	38314
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1986	1987	NOCO86115	No Ext. Marks	No Ext. Marks	Unfed	/ /	1987/03/15	0.5	fry	0	0	13000	13000
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1987	1988	NOCO87122	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/01	1988/05/09	0.75	fry	0	0	13000	13000
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1988	1989	NOCO8856	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/31	1.5	fry	0	0	13000	13000
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1990	1991	NOCO90148	No Ext. Marks	No Ext. Marks	Unfed	1991/04/	1991/04/	0	fry	0	0	16000	16000
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1992	1993	NOCO92233	No Ext. Marks	No Ext. Marks	Unfed	1993/04/14	1993/04/23	0.43	fry	0	0	13900	13900

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1993	1994	NOCO9345	No Ext. Marks	No Ext. Marks	Fed Spr	1994/05/17	1994/05/17	1.8	fry	0	0	15610	15610
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1994	1995	NOCO94175	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/14	1995/06/14	1.8	fry	0	0	6100	6100
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1995	1996	NOCO9574	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/25	1996/06/25	1.5	fry	0	0	28718	28718
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1995	1997	NOCO95405	No Ext. Marks	No Ext. Marks	Smolts	1997/05/05	1997/05/05	16	smolt	0	0	2350	2350
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1996	1997	NOCO96226	No Ext. Marks	No Ext. Marks	Fed Spr	1997/05/22	1997/05/22	0.63	fry	0	0	15397	15397
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1996	1998	NOCO96401	No Ext. Marks	No Ext. Marks	Smolts	1998/04/02	1998/04/02	17.16	smolt	0	0	3411	3411
Jungle Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1997	1998	NOCO97152	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/28	1998/06/12	1.1	fry	0	0	23384	23384
Jungle Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1997	1999	NOCO97499	No Ext. Marks	No Ext. Marks	Smolts	1999/04/16	1999/04/16	18.4	smolt	0	0	823	823
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1998	1999	NOCO98245	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/03	1999/06/03	1.25	fry	0	0	14400	14400
Mollitors Cr	Mollitors Cr	Mollitors Creek	2E	Skidegate	1999	2000	NOCO99124	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/14	2000/06/14	1.31	fry	0	0	25540	25540
Tarundl Cr	Outlook Cr	Outlook Creek	2E	Skidegate	1989	1990	NOCO89181	No Ext. Marks	No Ext. Marks	Unfed	/ /	1990/04/13	0.37	fry	0	0	5132	5132
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1979	1980	NOCO7910	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1980/05/28	1.7	fry	0	0	9120	9120
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1980	1981	022221	Adipose	No Ext. Marks	Fed Spr	/ /	1981/06/29	4.6	fry	31587	800	0	32387
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1980	1981	022220	Adipose	No Ext. Marks	Fed Spr	/ /	1981/06/23	5.2	fry	39643	1200	0	40843
Pallant Cr	Mosquito/QCI	Pallant Creek	2E	Cumshewa	1981	1982	NOCO8119	No Ext. Marks	No Ext. Marks	Fed Spr	1982/06/22	1982/06/24	2.9	fry	0	0	32689	32689
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1981	1982	NOCO8121	No Ext. Marks	No Ext. Marks	Fed Spr	1982/06/21	1982/06/26	3.2	fry	0	0	46574	46574
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1981	1982	NOCO8120	No Ext. Marks	No Ext. Marks	Fed Spr	1982/06/25	1982/06/27	3.5	fry	0	0	45571	45571
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1981	1982	022402	Adipose	No Ext. Marks	Fed Spr	1982/06/24	1982/06/26	4.9	fry	31282	557	36184	68023
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1982	1983	NOCO8202	No Ext. Marks	No Ext. Marks	Fed Spr	1983/05/26	1983/06/10	2.9	fry	0	0	124384	124384
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1982	1983	NOCO8203	No Ext. Marks	No Ext. Marks	Fed Spr	1983/06/02	1983/06/10	3.1	fry	0	0	138143	138143
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1982	1983	022449	Adipose	No Ext. Marks	Fed Spr	1983/05/30	1983/06/21	4	fry	48143	4588	46020	98751
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1982	1983	022535	Adipose	No Ext. Marks	Fed Spr	1983/06/01	1983/06/22	4.5	fry	47951	3776	8000	59727
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1982	1983	022403	Adipose	No Ext. Marks	Fed Spr	1983/06/21	1983/06/22	5.2	fry	15475	307	11186	26968
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1983	1984	NOCO8307	No Ext. Marks	No Ext. Marks	Unfed	/ /	1984/04/04	0.4	fry	0	0	12346	12346
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1983	1984	NOCO8305	No Ext. Marks	No Ext. Marks	Fed Spr	1984/06/06	1984/06/11	2.3	fry	0	0	137639	137639
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1983	1984	022746	Adipose	No Ext. Marks	Fed Spr	1984/06/06	1984/06/11	2.4	fry	49542	2883	46761	99186
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1984	1985	NOCO8409	No Ext. Marks	No Ext. Marks	Fed Spr	1985/06/01	1985/06/06	1.5	fry	0	0	143287	143287
Pallant Cr	Mosquito/QCI	Pallant Creek	2E	Cumshewa	1984	1985	023249	Adipose	No Ext. Marks	Fed Spr	/ /	1985/06/06	1.6	fry	47576	5110	50136	102822
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1985	1986	023925	Adipose	No Ext. Marks	Fed Spr	1986/06/12	1986/06/15	1.6	fry	10713	63	15048	25824
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1985	1986	023926	Adipose	No Ext. Marks	Fed Spr	1986/06/12	1986/06/15	1.6	fry	10584	200	15059	25843
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1985	1986	023927	Adipose	No Ext. Marks	Fed Spr	1986/06/12	1986/06/15	1.6	fry	9629	273	13828	23730
Pallant Cr	Mosquito/QCI	Pallant Creek	2E	Cumshewa	1985	1986	023934	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/18	1.9	fry	10646	162	20000	30808
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1985	1986	023929	Adipose	No Ext. Marks	Fed Spr	1986/06/18	1986/06/19	1.9	fry	9872	209	7119	17200
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1985	1986	023930	Adipose	No Ext. Marks	Fed Spr	1986/06/18	1986/06/19	1.9	fry	9982	101	7120	17203
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1985	1986	023931	Adipose	No Ext. Marks	Fed Spr	1986/06/18	1986/06/19	1.9	fry	10002	101	7135	17238
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1985	1986	023928	Adipose	No Ext. Marks	Fed Spr	/ /	1986/06/18	2	fry	10639	57	0	10696
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1985	1986	023932	Adipose	No Ext. Marks	Fed Spr	1986/06/18	1986/06/19	2	fry	10596	107	0	10703
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1985	1986	023933	Adipose	No Ext. Marks	Fed Spr	1986/06/18	1986/06/19	2	fry	9942	121	0	10063
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1986	1987	024425	Adipose	No Ext. Marks	Fed Spr	1987/05/21	1987/05/23	1.7	fry	9986	204	7147	17337
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1986	1987	024423	Adipose	No Ext. Marks	Fed Spr	/ /	1987/05/22	2.7	fry	10592	107	0	10699
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1986	1987	024426	Adipose	No Ext. Marks	Fed Spr	1987/05/21	1987/05/23	2.7	fry	10446	192	12369	23007
Pallant Cr	Pallant Cr Low	Pallant Creek	2E	Cumshewa	1986	1987	024424	Adipose	No Ext. Marks	Fed Spr	/ /	1987/05/23	2.7	fry	10687	54	0	10741
Pallant Cr	Pallant Cr Low	Pallant Creek	2E	Cumshewa	1986	1987	024428	Adipose	No Ext. Marks	Fed Spr	1987/05/25	1987/05/30	2.7	fry	10540	106	30864	41510
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1986	1987	024427	Adipose	No Ext. Marks	Fed Spr	1987/05/21	1987/05/23	3.7	fry	10296	254	7059	17609
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1986	1987	024422	Adipose	No Ext. Marks	Fed Spr	/ /	1987/05/23	3.7	fry	10441	257	0	10698
Pallant Cr	Pallant Cr Low	Pallant Creek	2E	Cumshewa	1986	1987	024429	Adipose	No Ext. Marks	Fed Spr	1987/05/25	1987/05/30	3.7	fry	10359	84	33204	43647
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1987	1988	025122	Adipose	No Ext. Marks	Fed Spr	1988/05/27	1988/05/28	2.3	fry	11018	263	10908	22189
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1987	1988	025123	Adipose	No Ext. Marks	Fed Spr	1988/05/27	1988/05/28	2.3	fry	11203	88	11092	22383
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1987	1988	025124	Adipose	No Ext. Marks	Fed Spr	/ /	1988/06/09	2.6	fry	10451	685	0	11136
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1987	1988	025125	Adipose	No Ext. Marks	Fed Spr	/ /	1988/06/09	2.9	fry	11146	211	0	11357
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1987	1988	025126	Adipose	No Ext. Marks	Fed Spr	/ /	1988/06/09	3.1	fry	10767	395	0	11162
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1987	1988	025119	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/08	3.3	fry	9590	933	7705	18228
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1987	1988	025120	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/08	3.3	fry	10499	609	8436	19544
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1987	1988	025121	Adipose	No Ext. Marks	Fed Spr	1988/06/07	1988/06/08	3.3	fry	11026	294	8859	20179
Pallant Cr	Deer Bay	Pallant Creek	2E	Cumshewa	1987	1989	025456	Adipose	No Ext. Marks	Seapen	/ /	1989/05/09	22.4	smolt	24723	377	10399	35499

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Pallant Cr	Deer Bay	Pallant Creek	2E	Cumshewa	1987	1989	025535	Adipose	No Ext. Marks	Seapen	/ /	1989/06/01	23.3	smolt	26700	134	8352	35186
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1988	1989	025716	Adipose	No Ext. Marks	Fed Spr	1989/06/22	1989/06/22	3.1	fry	10454	726	0	11180
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1988	1989	025717	Adipose	No Ext. Marks	Fed Spr	1989/06/23	1989/06/24	3.1	fry	10727	269	0	10996
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1988	1989	025718	Adipose	No Ext. Marks	Fed Spr	1989/06/23	1989/06/24	3.1	fry	10753	270	0	11023
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1988	1989	025711	Adipose	No Ext. Marks	Fed Spr	1989/06/22	1989/06/24	3.4	fry	10743	332	0	11075
Pallant Cr	Pallant Cr Up	Pallant Creek	2E	Cumshewa	1988	1989	025712	Adipose	No Ext. Marks	Fed Spr	1989/06/22	1989/06/24	3.4	fry	10725	331	0	11056
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1988	1989	025713	Adipose	No Ext. Marks	Fed Spr	/ /	1989/07/13	6	fry	10384	465	7124	17973
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1988	1989	025714	Adipose	No Ext. Marks	Fed Spr	/ /	1989/07/13	6	fry	8389	2464	5756	16609
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1988	1989	025715	Adipose	No Ext. Marks	Fed Spr	/ /	1989/07/13	6	fry	9963	934	6835	17732
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1988	1990	020144	Adipose	No Ext. Marks	Smolts	1990/05/22	1990/05/23	14.5	smolt	15436	905	65415	81756
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1988	1990	020143	Adipose	No Ext. Marks	Smolts	1990/05/11	1990/05/12	14.7	smolt	16853	267	41843	58963
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1989	1991	020825	Adipose	No Ext. Marks	Smolts	1991/05/25	1991/05/27	17.9	smolt	48307	488	129361	178156
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1990	1992	021417	Adipose	No Ext. Marks	Smolts	1992/05/08	1992/05/14	16.5	smolt	19447	126	145126	164699
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1990	1992	021416	Adipose	No Ext. Marks	Smolts	1992/05/08	1992/05/14	16.9	smolt	20587	224	154585	175396
Pallant Cr	Pallant Cr	Pallant Creek	2E	Cumshewa	1991	1993	180801	Adipose	No Ext. Marks	Smolts	1993/05/15	1993/05/17	19.6	smolt	38739	1194	229424	269357
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1992	1993	180841	Adipose	No Ext. Marks	Fed Spr	/ /	1993/06/02	2.2	fry	47608	1251	149085	198144
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1993	1994	181218	Adipose	No Ext. Marks	Fed Spr	/ /	1994/05/25	3.2	fry	48507	1746	173894	224147
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1994	1995	181951	Adipose	No Ext. Marks	Fed Spr	/ /	1995/06/15	2.5	fry	42932	6963	153974	203869
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1995	1996	182263	Adipose	No Ext. Marks	Fed Spr	/ /	1996/06/11	2	fry	47941	4288	147929	200158
Pallant Cr	Mosquito Lk	Pallant Creek	2E	Cumshewa	1996	1997	182861	Adipose	No Ext. Marks	Fed Spr	/ /	1997/06/18	3.9	fry	36505	13916	253239	303660
Pallant Cr	Mosquito/QCI	Pallant Creek	2E	Cumshewa	1997	1998	NOCO9794	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1998/06/09	3.5	fry	0	0	210134	210134
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1983	1984	NOCO83104	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/04/30	1	fry	0	0	190	190
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1983	1984	NOCO8391	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/05/31	1.55	fry	0	0	24500	24500
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1984	1985	022855	Adipose	No Ext. Marks	Fed Spr	1985/06/09	1985/06/19	2.25	fry	19343	315	5240	24898
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1985	1986	NOCO85121	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1986/08/20	5	fry	0	0	4000	4000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1986	1987	NOCO8686	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/05/10	3	fry	0	0	12000	12000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1987	1988	NOCO87180	No Ext. Marks	No Ext. Marks	Fed Spr	1988/05/14	1988/05/20	1.75	fry	0	0	28000	28000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1988	1989	NOCO88219	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/06/01	1.6	fry	0	0	22000	22000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1989	1990	NOCO8950	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1990/05/22	2.54	fry	0	0	16535	16535
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1989	1991	NOCO89260	No Ext. Marks	No Ext. Marks	Smolts	1991/04/30	1991/04/30	16.5	smolt	0	0	3800	3800
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1990	1991	NOCO9082	No Ext. Marks	No Ext. Marks	Fed Spr	1991/06/17	1991/06/21	1.5	fry	0	0	16400	16400
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1990	1992	NOCO9077	No Ext. Marks	No Ext. Marks	Smolts	1992/04/25	1992/04/25	14	smolt	0	0	4544	4544
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1991	1992	NOCO91124	No Ext. Marks	No Ext. Marks	Fed Spr	1992/07/02	1992/07/07	1.6	fry	0	0	24063	24063
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1992	1993	NOCO92239	No Ext. Marks	No Ext. Marks	Fed Spr	1993/06/23	1993/07/09	1.7	fry	0	0	29620	29620
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1993	1994	NOCO9343	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/12	1994/06/12	1.8	fry	0	0	17250	17250
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1994	1995	NOCO94170	No Ext. Marks	No Ext. Marks	Fed Spr	1995/06/15	1995/06/15	1.4	fry	0	0	14000	14000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1996	1997	NOCO96399	No Ext. Marks	No Ext. Marks	Fed Spr	1997/05/23	1997/05/23	1.16	fry	0	0	15000	15000
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1997	1998	NOCO97149	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/29	1998/05/29	1.97	fry	0	0	13452	13452
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1998	1999	NOCO98232	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/11	1999/06/11	2.15	fry	0	0	17579	17579
Sachs Cr	Sachs Cr	Sachs Creek	2E	Skidegate	1999	2000	NOCO99118	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/02	2000/06/02	1.4	fry	0	0	31600	31600
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1983	1984	NOCO8350	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1984/05/15	0	fry	0	0	13500	13500
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1984	1985	NOCO8463	No Ext. Marks	No Ext. Marks	Unfed	/ /	1985/06/01	0.5	fry	0	0	1200	1200
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1984	1985	NOCO8464	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1985/09/15	5	fry	0	0	400	400
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1985	1986	NOCO8588	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1986/06/30	2	fry	0	0	4200	4200
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1986	1987	NOCO8658	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/06/15	1	fry	0	0	10000	10000
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1987	1988	NOCO87172	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/06/01	4	fry	0	0	62	62
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1987	1988	NOCO87186	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/07/15	4	fry	0	0	4050	4050
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1988	1989	NOCO88138	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1989/05/31	1.7	fry	0	0	42	42
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1989	1990	NOCO8940	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1990/08/12	5	fry	0	0	12669	12669
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1989	1991	NOCO89262	No Ext. Marks	No Ext. Marks	Smolts	1991/04/18	1991/04/18	16	smolt	0	0	3000	3000
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1990	1991	020546	Adipose	No Ext. Marks	Fed Spr	1991/07/17	1991/07/17	2.3	fry	14178	439	0	14617
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1990	1992	NOCO9078	No Ext. Marks	No Ext. Marks	Smolts	1992/05/14	1992/05/14	17	smolt	0	0	3000	3000
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1991	1992	NOCO91127	No Ext. Marks	No Ext. Marks	Fed Spr	1992/07/15	1992/07/15	4	fry	0	0	3797	3797
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1991	1993	NOCO91365	No Ext. Marks	No Ext. Marks	Smolts	1993/05/17	1993/05/17	18	smolt	0	0	3800	3800
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1992	1993	NOCO92255	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/10	1993/07/10	2.2	fry	0	0	8411	8411

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1992	1993	NOCO92331	No Ext. Marks	No Ext. Marks	Fed Fall	1993/11/19	1993/11/19	7.8	fry	0	0	750	750
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1995	1996	NOCO9584	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/	1996/05/	2.63	fry	0	0	1140	1140
Sewell Hd Cr	Sewell Hd Cr	Sewell Head Creek	2E	Selwyn	1998	1999	NOCO98237	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/	1999/06/	3	fry	0	0	6601	6601
Slarkedus R	Slarkedus R	Slarkedus Creek	2E	Skidegate	1982	1983	NOCO8251	No Ext. Marks	No Ext. Marks	Unfed	/ /	1983/ /	0.5	fry	0	0	1100	1100
Slarkedus R	Slark+Mission	Slarkedus Creek	2E	Skidegate	1983	1984	LV8305	Left Ventral	No Ext. Marks	Fed Fall	1984/08/24	1984/09/03	5.5	fry	17368	0	0	17368
Slark+Mission	Slark+Mission	Slarkedus Creek	2E	Skidegate	1986	1987	NOCO86264	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1987/09/04	3	fry	0	0	4023	4023
Sheldons By Cr	Sheldons By Cr	Sleldon's Bay Creek	2E	Copper	1996	1997	NOCO96417	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/12	1997/07/12	1.91	fry	0	0	16315	16315
Sheldons By Cr	Sheldons By Cr	Sleldon's Bay Creek	2E	Copper	1997	1998	NOCO97163	No Ext. Marks	No Ext. Marks	Fed Spr	1998/05/25	1998/05/25	1.24	fry	0	0	26900	26900
Sheldons By Cr	Sheldons By Cr	Sleldon's Bay Creek	2E	Copper	1998	1999	NOCO98240	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/16	1999/06/18	1.19	fry	0	0	17647	17647
Sheldons By Cr	Sheldons By Cr	Sleldon's Bay Creek	2E	Copper	1999	2000	NOCO99120	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/07	2000/06/07	1.7	fry	0	0	27775	27775
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1991	1992	NOCO91291	No Ext. Marks	No Ext. Marks	Fed Fall	1992/12/28	1992/12/28	8	fry	0	0	7606	7606
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1992	1994	NOCO92393	No Ext. Marks	No Ext. Marks	Smolts	1994/05/	1994/05/	0	fry	0	0	5000	5000
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1992	1993	NOCO92241	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/12	1993/07/12	1.6	fry	0	0	12436	12436
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1993	1994	NOCO9353	No Ext. Marks	No Ext. Marks	Fed Spr	1994/06/10	1994/06/10	1.2	fry	0	0	19249	19249
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1995	1996	NOCO9586	No Ext. Marks	No Ext. Marks	Fed Spr	1996/06/27	1996/06/27	1.3	fry	0	0	16667	16667
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1996	1997	NOCO96233	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/19	1997/06/19	1.03	fry	0	0	16505	16505
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1996	1997	NOCO96238	No Ext. Marks	No Ext. Marks	Fed Spr	1997/04/25	1997/05/31	3	fry	0	0	100	100
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1997	1998	NOCO97161	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/01	1998/06/01	1.2	fry	0	0	12417	12417
Honna R	Tarundl Cr	Tarundl Creek	2E	Skidegate	1997	1998	NOCO97155	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/20	1998/06/20	1.5	fry	0	0	48	48
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1998	1999	NOCO98239	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/	1999/06/	2	fry	0	0	29848	29848
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1998	2000	NOCO98454	No Ext. Marks	No Ext. Marks	Smolts	2000/05/01	2000/05/01	16.4	smolt	0	0	5403	5403
Tarundl Cr	Tarundl Cr	Tarundl Creek	2E	Skidegate	1999	2000	NOCO99123	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/30	2000/06/30	1.2	fry	0	0	20667	20667
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1985	1986	NOCO85197	No Ext. Marks	No Ext. Marks	Fed Fall	/ /	1986/08/20	5	fry	0	0	7000	7000
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1986	1987	NOCO86165	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1987/05/18	2	fry	0	0	24000	24000
Gold Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1987	1988	023109	Adipose	No Ext. Marks	Fed Spr	/ /	1988/05/20	1.7	fry	44983	569	300	45852
Haans Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1989	1990	020532	Adipose	No Ext. Marks	Fed Spr	1990/07/04	1990/07/05	3	fry	2772	28	0	2800
Haans Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1989	1990	020533	Adipose	No Ext. Marks	Fed Spr	1990/07/04	1990/07/05	3	fry	10427	105	500	11032
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1990	1991	020118	Adipose	No Ext. Marks	Fed Spr	1991/07/13	1991/07/13	2.5	fry	20185	0	2109	22294
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1990	1991	026158	Adipose	No Ext. Marks	Fed Spr	1991/07/13	1991/07/13	2.5	fry	9652	0	1054	10706
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1991	1992	021347	Adipose	No Ext. Marks	Fed Spr	1992/06/27	1992/06/27	1.6	fry	10372	0	1451	11823
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1991	1992	021348	Adipose	No Ext. Marks	Fed Spr	1992/06/27	1992/06/27	1.6	fry	9947	0	1451	11398
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1991	1992	021349	Adipose	No Ext. Marks	Fed Spr	1992/06/27	1992/06/27	1.6	fry	9882	0	1451	11333
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1991	1992	021350	Adipose	No Ext. Marks	Fed Spr	1992/06/27	1992/06/27	1.6	fry	8128	0	1451	9579
Yakoun R	Coates Cr	Coates Creek	2W	Athlo - Otard	1992	1993	NOCO92229	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/01	1993/07/01	2.45	fry	0	0	49448	49448
Tasu Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1994	1995	NOCO94171	No Ext. Marks	No Ext. Marks	Fed Spr	1995/07/07	1995/07/07	1.3	fry	0	0	33000	33000
Tasu Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1995	1996	182459	Adipose	No Ext. Marks	Fed Spr	1996/07/05	1996/07/05	2.86	fry	25323	641	194	26158
Tasu Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1996	1997	NOCO96214	No Ext. Marks	No Ext. Marks	Fed Spr	1997/06/26	1997/06/26	3.7	fry	0	0	24300	24300
Tasu Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1997	1998	NOCO97164	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/17	1998/06/17	1.35	fry	0	0	37694	37694
Coates Cr	Coates Cr	Coates Creek	2W	Athlo - Otard	1999	2000	NOCO99127	No Ext. Marks	No Ext. Marks	Fed Spr	2000/07/07	2000/07/07	1.57	fry	0	0	15223	15223
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1989	1990	NOCO89114	No Ext. Marks	No Ext. Marks	Fed Spr	1990/08/12	1990/08/16	4.65	fry	0	0	19975	19975
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1990	1991	NOCO90230	No Ext. Marks	No Ext. Marks	Fed Spr	1991/07/17	1991/07/31	2.5	fry	0	0	17000	17000
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1992	1993	NOCO92254	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/10	1993/07/10	2.2	fry	0	0	4550	4550
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1995	1996	NOCO9583	No Ext. Marks	No Ext. Marks	Fed Spr	1996/05/	1996/05/	1.05	fry	0	0	23809	23809
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1996	1997	NOCO96268	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/06	1997/07/06	1.86	fry	0	0	19355	19355
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1997	1998	NOCO97159	No Ext. Marks	No Ext. Marks	Fed Spr	1998/06/09	1998/06/09	1.1	fry	0	0	21816	21816
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1998	1999	NOCO98235	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/25	1999/06/25	1.16	fry	0	0	25861	25861
Flat Cr/QCI	Flat Cr/QCI	Flat Creek	2W	Tasu	1999	2000	NOCO99129	No Ext. Marks	No Ext. Marks	Fed Spr	2000/07/05	2000/07/05	1.67	fry	0	0	30620	30620
Lomgon Cr	Lomgon Cr	Lomgon Creek	2W	Tasu	1996	1997	NOCO96269	No Ext. Marks	No Ext. Marks	Fed Spr	1997/07/05	1997/07/05	1.51	fry	0	0	9603	9603
Lomgon Cr	Lomgon Cr	Lomgon Creek	2W	Tasu	1998	1999	NOCO98236	No Ext. Marks	No Ext. Marks	Fed Spr	1999/07/	1999/07/	2	fry	0	0	4852	4852
Lomgon Cr	Lomgon Cr	Lomgon Creek	2W	Tasu	1999	2000	NOCO99130	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/26	2000/06/26	1.17	fry	0	0	9915	9915
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1987	1988	NOCO87187	No Ext. Marks	No Ext. Marks	Fed Spr	/ /	1988/07/15	4	fry	0	0	40500	40500
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1988	1989	025041	Adipose	No Ext. Marks	Fed Spr	/ /	1989/08/26	4.5	fry	6285	0	1733	8018
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1988	1989	026306	Adipose	No Ext. Marks	Fed Spr	/ /	1989/08/26	4.5	fry	25124	0	6926	32050
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1990	1991	020545	Adipose	No Ext. Marks	Fed Spr	1991/07/17	1991/07/25	2	fry	15762	487	0	16249
Tasu+Flat Cr	Tasu+Flat Cr	Tasu Creek	2W	Tasu	1991	1992	180537	Adipose	No Ext. Marks	Fed Spr	1992/07/09	1992/07/15	2.8	fry	25781	0	13716	39497

Table 86 cont. Q.C.I. Coho Enhancement History.

Stock Name	Rel Site Name	Rel Watershed Name	Stat. Area	Geographic Location	Brood Year	Rel. Year	Mark	Tagged Clip	Untagged Clip	Stage	Release Start Date	Release End Date	Rel. Wt. (g)	lifestg	Marked	Incomplete	Unmarked	Total
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1992	1993	NOCO92256	No Ext. Marks	No Ext. Marks	Fed Spr	1993/07/10	1993/07/10	4	fry	0	0	3500	3500
Tasu+Flat Cr	Tasu+Flat Cr	Tasu Creek	2W	Tasu	1994	1995	181116	Adipose	No Ext. Marks	Fed Spr	1995/08/15	1995/08/15	1.75	fry	10006	689	3481	14176
Tasu+Flat Cr	Tasu+Flat Cr	Tasu Creek	2W	Tasu	1994	1995	181117	Adipose	No Ext. Marks	Fed Spr	1995/08/15	1995/08/15	2.02	fry	10829	63	2595	13487
Tasu+Flat Cr	Tasu+Flat Cr	Tasu Creek	2W	Tasu	1994	1995	181118	Adipose	No Ext. Marks	Fed Spr	1995/08/15	1995/08/15	2.25	fry	9727	0	1527	11254
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1995	1996	182359	Adipose	No Ext. Marks	Fed Spr	1996/07/	1996/07/	1.54	fry	10762	268	1916	12946
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1995	1996	182360	Adipose	No Ext. Marks	Fed Spr	1996/07/	1996/07/	1.54	fry	9590	226	1706	11522
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1996	1997	182835	Adipose	No Ext. Marks	Fed Spr	1997/07/24	1997/07/24	2.06	fry	16512	148	2421	19081
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1997	1998	183235	Adipose	No Ext. Marks	Fed Spr	1998/06/26	1998/06/26	1.53	fry	23453	0	3500	26953
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1998	1999	NOCO98238	No Ext. Marks	No Ext. Marks	Fed Spr	1999/06/24	1999/06/24	1.2	fry	0	0	26583	26583
Tasu Cr	First Lk/QCI	Tasu Creek	2W	Tasu	1998	1999	NOCO98233	No Ext. Marks	No Ext. Marks	Fed Spr	1999/05/	1999/05/	2	fry	0	0	23000	23000
Tasu Cr	Tasu Cr	Tasu Creek	2W	Tasu	1999	2000	NOCO99128	No Ext. Marks	No Ext. Marks	Fed Spr	2000/06/26	2000/06/26	1.83	fry	0	0	18579	18579

Table 87. Summary of Coho Enhancement by Life Stage[1] and by Geographic Location.

			Release Year																				
Area	Location	Release Data	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1	Naden	Sum of fry																				1,400	41,305	5,769
1	Naden	Sum of smolt																					220	2,273
1	Naden	Sum of Total																				1,400	41,525	8,042
1	Outside Waters	Sum of fry								1,600	7,500	13,000	14,000	17,603	124	23,481	16,616	10,594	15,212	14,722	21,277	70	31,067	
1	Outside Waters	Sum of smolt																						
1	Outside Waters	Sum of Total								1,600	7,500	13,000	14,000	17,603	124	23,481	16,616	10,594	15,212	14,722	21,277	70	31,067	
1	Masset	Sum of fry			500	1,905	60,445	31,135	9,977	475	40,930	3,130	2,749	450	9,110	61,855	33,804	32,073	4,312	20,509	3,394	2,518	19,291	12,239
1	Masset	Sum of smolt				17,186			66,000			14,448	22,380	26,300	41,385	15,500	21,650	29,994	30,375	41,024				41,462
1	Masset	Sum of Total			500	19,091	60,445	31,135	75,977	475	40,930	17,578	25,129	26,750	50,495	77,155	55,454	62,067	34,687	61,533	3,394	2,518	19,291	53,701
2E	Tiell	Sum of fry										5,000	5,000	9,756	10,000		8,081	8,840						
2E	Tiell	Sum of smolt																						
2E	Tiell	Sum of Total										5,000	5,000	9,756	10,000		8,081	8,840						
2E	Skidegate	Sum of fry				57,685	1,290	90,591	92,262	146,961	114,380	118,665	136,206	86,276	99,380	165,067	183,282	132,405	161,390	79,197	142,921	135,498	171,010	156,201
2E	Skidegate	Sum of smolt											500	2,000	7,300	13,223			7,000	6,307	5,650	5,347	5,341	5,403
2E	Skidegate	Sum of Total				57,685	1,290	90,591	92,262	146,961	114,380	118,665	136,706	88,276	106,680	178,290	183,282	132,405	168,390	85,504	148,571	140,845	176,351	161,604
2E	Copper	Sum of fry	18,817														14,570		16,000		55,445	63,280	62,370	100,784
2E	Copper	Sum of smolt																						
2E	Copper	Sum of Total	18,817														14,570		16,000		55,445	63,280	62,370	100,784
2E	Cumshewa	Sum of fry		9,120	73,230	192,857	447,973	249,171	349,762	405,772	390,307	344,212	377,766	224,374	197,672	277,662	377,350	349,108	381,244	366,205	503,660	315,200		
2E	Cumshewa	Sum of smolt											70,685	140,719	254,981	340,095	269,357							
2E	Cumshewa	Sum of Total		9,120	73,230	192,857	447,973	249,171	349,762	405,772	390,307	344,212	448,451	365,093	452,653	617,757	646,707	349,108	381,244	366,205	503,660	315,200		
2E	Selwyn	Sum of fry					15,000	13,500	18,600	25,200	35,000	24,112	18,042	12,669	22,417	7,885	26,811		17,368	15,426	7,200		6,601	
2E	Selwyn	Sum of smolt													3,000	3,000	3,800							
2E	Selwyn	Sum of Total					15,000	13,500	18,600	25,200	35,000	24,112	18,042	12,669	25,417	10,885	30,611		17,368	15,426	7,200		6,601	
2W	Athlo - Otard	Sum of fry								7,000	24,000	45,852		13,832	33,000	44,133	49,448		33,000	26,158	24,300	37,694		15,223
2W	Athlo - Otard	Sum of smolt																						
2W	Athlo - Otard	Sum of Total								7,000	24,000	45,852		13,832	33,000	44,133	49,448		33,000	26,158	24,300	37,694		15,223
2W	Tasu	Sum of fry										40,500	40,068	19,975	33,249	39,497	8,050		38,917	48,277	48,039	48,769	80,296	59,114
2W	Tasu	Sum of smolt																						
2W	Tasu	Sum of Total										40,500	40,068	19,975	33,249	39,497	8,050		38,917	48,277	48,039	48,769	80,296	59,114
		Sum of fry	18,817	9,120	73,730	252,447	524,708	384,397	470,601	587,008	612,117	594,471	593,831	384,935	404,952	619,380	718,012	533,020	667,443	570,494	806,236	604,429	411,940	349,330
		Sum of smolt				17,186			66,000			14,448	93,565	169,019	306,666	371,818	294,807	29,994	37,375	47,331	5,650	5,347	5,561	49,138
		Sum of All Releases	18,817	9,120	73,730	269,633	524,708	384,397	536,601	587,008	612,117	608,919	687,396	553,954	711,618	991,198	1,012,819	563,014	704,818	617,825	811,886	609,776	417,501	398,468

[1]Smolt: fish weighing >= 10 g. upon release.

Table 88. Estimated Percent Q.C.I. Coho Stock Composition in Various Northern B.C. Fisheries.

Seine Fisheries:

Sample Date(s):	Aug 8 - 22	Aug 22 - 29	Sept. 19 - Oct. 10	July 18 - Aug. 1	Aug. 2 - 8	Aug 15 - 31	July 12 - 18	July 19 - 25	July 26 - Aug. 1	Aug. 2 - 8	Aug. 16 - 22
Year:	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
Fishery Location:	Area 1	Area 2W	Area 2E	Area 3	Area 3	Area 3	Area 6	Area 6	Area 6	Area 6	Area 6
Sample Size (N):	21	12	260	153	498	90	116	232	111	109	36
% Q.C.I. In Coho Catch	12.8	20.9	69.1	0.7	2.0	5.3	1.4	0.8	2.3	2.5	3.9

Gillnet Fisheries:

Sample Date(s):	Sept. 19 - Oct. 10	July 11 - Aug. 22	July 18 - 25	July 25 - Aug. 29
Year:	1998	1998	1998	1998
Fishery Location:	Area 2E	Area 3	Area 4	Area 6
Sample Size (N):	123	25	8	76
% Q.C.I. In Coho Catch	68.9	0.0	26.4	0.0

Troll Fisheries:

Sample Date(s):	July 25 - Aug. 1	Aug. 8 - 29
Year:	1998	1998
Fishery Location:	Area 2W	Area 2W
Sample Size (N):	99	152
% Q.C.I. In Coho Catch	7.3	12.6

Recreational Fisheries:

Sample Date(s):	July 25 - Aug. 23	26-Jul	July 25 - Aug. 15	July 25 - Aug. 15	Aug. 23
Year:	1998	1999	1998	1999	1999
Fishery Location:	Area 3	Area 3	Area 4	Area 4	Langara Is!.
Sample Size (N):	71	135	67	30	71
% Q.C.I. In Coho Catch	7.2	3.0	9.0	5.2	29.8

(data source: pers. comm. T. Beacham)

Table 89. Pallant Creek Coho Survival Estimates[1] by Release Tag Code.

Year	Tag Code	Release Lifestage	Release Weight (g)	Release Site	Total Tagged	Total Released	Total Estimated Recoveries	% Survival
1980	022221	fry	4.5	Pallant Cr. Upper	31,587	32,387	800	2.5
1980	022220	fry	5.2	Palant Creek	39,643	40,843	1,576	4.0
1980		fry			71,230	73,230	2,376	3.3
1981	022402	fry	4.9	Mosquito Lake/QCI	31,282	68,023	1,012	3.2
1982	022535	fry	4.5	Pallant Cr. Upper	47,951	59,727	562	1.2
1982	022449	fry	4.0	Pallant Creek	48,143	98,751	360	0.7
1982	022403	fry	5.2	Mosquito Lake/QCI	15,475	26,968	388	2.5
1982		fry			111,569	185,446	1,310	1.2
1983	022746	fry	2.4	Pallant Creek	49,542	99,186	409	0.8
1984	023249	fry	1.6	Mosquito Creek/QCI	47,576	102,822	430	0.9
1985	023934	fry	1.9	Mosquito Creek/QCI	10,646	30,808	40	0.4
1985	023933	fry	2.0	Pallant Cr. Upper	9,942	10,063	162	1.6
1985	023932	fry	2.0	Pallant Cr. Upper	10,596	10,703	151	1.4
1985	023931	fry	1.9	Mosquito Lake/QCI	10,002	17,238	296	3.0
1985	023930	fry	1.9	Mosquito Lake/QCI	9,982	17,203	406	4.1
1985	023929	fry	1.9	Mosquito Lake/QCI	9,872	17,200	268	2.7
1985	023928	fry	2.0	Pallant Creek	10,639	10,696	109	1.0
1985	023927	fry	1.6	Pallant Creek	9,629	23,730	95	1.0
1985	023926	fry	1.6	Pallant Creek	10,584	25,843	41	0.4
1985	023925	fry	1.6	Pallant Creek	10,713	25,824	59	0.6
1985		fry			102,605	189,308	1,627	1.6
1986	024429	fry	3.7	Pallant Creek Lower	10,359	43,647	81	0.8
1986	024428	fry	2.7	Pallant Creek Lower	10,540	41,510	58	0.6
1986	024427	fry	3.7	Mosquito Lake/QCI	10,296	17,609	196	1.9
1986	024426	fry	2.7	Mosquito Lake/QCI	10,446	23,007	219	2.1
1986	024425	fry	1.7	Mosquito Lake/QCI	9,986	17,337	136	1.4
1986	024424	fry	2.7	Pallant Creek Lower	10,687	10,741	119	1.1
1986	024423	fry	2.7	Pallant Cr. Upper	10,592	10,699	112	1.1
1986	024422	fry	3.7	Pallant Cr. Upper	10,441	10,698	155	1.5
1986		fry			83,347	175,248	1,076	1.3
1987	025126	fry	3.0	Pallant Cr. Upper	10,767	11,162	175	1.6
1987	025125	fry	2.9	Pallant Cr. Upper	11,146	11,357	245	2.2
1987	025124	fry	2.6	Pallant Creek	10,451	11,136	122	1.2
1987	025123	fry	2.3	Pallant Creek	11,203	22,383	86	0.8
1987	025122	fry	2.3	Pallant Creek	11,018	22,189	64	0.6
1987	025121	fry	3.3	Mosquito Lake/QCI	11,026	20,179	694	6.3
1987	025120	fry	3.3	Mosquito Lake/QCI	10,499	19,544	539	5.1
1987	025119	fry	3.3	Mosquito Lake/QCI	9,590	18,228	459	4.8
1987		fry			85,700	136,178	2,384	2.8

[1]Data Source: Habitat and Enhancement Branch, CWT Database, SEP1 Printout, Don Bailey.

Table 89 cont. Pallant Creek Coho Survival Estimates[1] by Release Tag Code.

Year	Tag Code	Release Lifestage	Release Weight (g)	Release Site	Total Tagged	Total Released	Total Estimated Recoveries	% Survival
1987	025535	smolt	23.3	Deer Bay	26,700	35,186	1,909	7.1
1987	025456	smolt	22.4	Deer Bay	24,723	35,499	2,966	12.0
1987		smolt			51,423	70,685	4,875	9.5
1988	025718	fry	3.1	Pallant Creek	10,753	11,023	30	0.3
1988	025717	fry	3.1	Pallant Creek	10,727	10,996	45	0.4
1988	025716	fry	3.1	Pallant Creek	10,454	11,180	169	1.6
1988	025715	fry	6.0	Mosquito Lake/QCI	9,963	17,732	317	3.2
1988	025714	fry	6.0	Mosquito Lake/QCI	8,389	16,609	302	3.6
1988	025713	fry	6.0	Mosquito Lake/QCI	10,384	17,973	303	2.9
1988	025712	fry	3.4	Pallant Cr. Upper	10,725	11,056	158	1.5
1988	025711	fry	3.4	Pallant Cr. Upper	10,743	11,075	156	1.5
1988		fry			82,138	107,644	1,480	1.8
1988	020144	smolt	14.5	Pallant Creek	15,436	81,756	608	3.9
1988	020143	smolt	14.7	Pallant Creek	16,853	58,963	838	5.0
1988		smolt			32,289	140,719	1,446	4.5
1989	020825	smolt	17.9	Pallant Creek	48,307	178,156	6,321	13.1
1990	021417	smolt	16.5	Pallant Creek	19,447	164,699	408	2.1
1990	021416	smolt	16.9	Pallant Creek	20,587	175,396	633	3.1
1990		smolt			40,034	340,095	1,041	2.6
1991	180801	smolt	19.6	Pallant Creek	38,739	269,357	1,201	3.1
1992	180841	fry	2.2	Mosquito Lake/QCI	47,808	198,144	447	0.9
1993	181218	fry	3.2	Mosquito Lake/QCI	48,507	224,147	445	0.9
1994	181951	fry	2.5	Mosquito Lake/QCI	42,932	203,869	130	0.3
1995	182263	fry	2.0	Mosquito Lake/QCI	47,941	200,158	51	0.1
1996	182861	fry	3.9	Mosquito Lake/QCI	36,505	303,660	30	0.1
1980-88, 92-96		fry					unweighted mean:	1.4
1987-1991		smolt					unweighted mean:	6.5

[1]Data Source: Habitat and Enhancement Branch, CWT Database, SEP1 Printout, Don Bailey.

Table 90. Pallant Creek Coho Exploitation Rate Calculation - Includes 2E Sport (marine/freshwater.), Troll and Net Recoveries.

Recoveries of Pallant Creek CWT'd Coho:

		Estimated Adjusted CWT recoveries																
Recovery Year	# clipped fish in escapement	Alaska troll	Alaska net	Alaska sport	Alaska	North Coast troll	North Coast net	North Coast sport	North Coast Total	Cent. Coast troll	Cent. Coast net	Cent. Coast sport	Cent. Coast Total	South Coast troll	South Coast net	South Coast sport	South Coast Total	Total CWT's
1983	1,610	52	47		99	582	24	36	642	6			6	8			8	2,365
1984	678	14			14	203	18	99	320		4		4	27			27	1,043
1985	681	5	8		13	147	224	264	635				0	5		9	14	1,343
1986	121	12			12	95	189	15	299		16		16				0	448
1987	358	10			10	67	23	183	273				0				0	641
1988	845	6			6	328	73	764	1165				0				0	2,016
1989	314	14	9		23	462	295	623	1380				0			2	2	1,719
1990	2,298	156	216		372	1920	826	679	3425	55	2		57	127			127	6,279
1991	2,026	40	26		66	733	291	202	1226		3		3	83	5		88	3,409
1992	2,710	10	8		18	2237	974	669	3880				0	33			33	6,641
1993	293	25	15		40	466	294	197	957				0	4	1		5	1,295
1994	479	67	87		154	517	183	191	891	1	3		4	3			3	1,531
1995	352		10		10	172	62	53	287				0				0	649
1996	259	10	8		18	144	14	56	214				0				0	491
1997	75	6	3		9	20	6	40	66				0				0	150

		Exploitation Rate Calculation																
Recovery Year	Total Exploitation Rate	Alaska troll	Alaska net	Alaska sport	Alaska	North Coast troll	North Coast net	North Coast sport	North Coast Total	Cent. Coast troll	Cent. Coast net	Cent. Coast sport	Cent. Coast Total	South Coast troll	South Coast net	South Coast sport	South Coast Total	Canadian Total
1983	0.319	0.022	0.020	0.000	0.042	0.246	0.010	0.015	0.272	0.003	0.000	0.000	0.003	0.003	0.000	0.000	0.003	0.277
1984	0.350	0.013	0.000	0.000	0.013	0.195	0.017	0.095	0.307	0.000	0.004	0.000	0.004	0.026	0.000	0.000	0.026	0.337
1985	0.493	0.004	0.006	0.000	0.010	0.109	0.167	0.197	0.473	0.000	0.000	0.000	0.000	0.004	0.000	0.007	0.010	0.483
1986	0.731	0.027	0.000	0.000	0.027	0.212	0.422	0.034	0.668	0.000	0.036	0.000	0.036	0.000	0.000	0.000	0.000	0.704
1987	0.441	0.016	0.000	0.000	0.016	0.104	0.036	0.285	0.426	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.426
1988	0.581	0.003	0.000	0.000	0.003	0.163	0.036	0.379	0.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.578
1989	0.818	0.008	0.005	0.000	0.013	0.269	0.172	0.363	0.803	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.804
1990	0.634	0.025	0.034	0.000	0.059	0.306	0.132	0.108	0.545	0.009	0.000	0.000	0.009	0.020	0.000	0.000	0.020	0.575
1991	0.406	0.012	0.008	0.000	0.019	0.215	0.085	0.059	0.360	0.000	0.001	0.000	0.001	0.024	0.001	0.000	0.026	0.386
1992	0.592	0.002	0.001	0.000	0.003	0.337	0.147	0.101	0.584	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.005	0.589
1993	0.774	0.019	0.012	0.000	0.031	0.360	0.227	0.152	0.739	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.004	0.743
1994	0.687	0.044	0.057	0.000	0.101	0.338	0.120	0.125	0.582	0.001	0.002	0.000	0.003	0.002	0.000	0.000	0.002	0.586
1995	0.457	0.000	0.015	0.000	0.015	0.265	0.095	0.082	0.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.442
1996	0.473	0.020	0.016	0.000	0.037	0.293	0.029	0.114	0.436	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.436
1997	0.499	0.040	0.020	0.000	0.060	0.133	0.040	0.266	0.439	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.439
Mean:	0.550	0.017	0.013	0.000	0.030	0.236	0.116	0.158	0.510	0.001	0.003	0.000	0.004	0.006	0.000	0.000	0.007	0.520

Table 91. Pallant Creek Coho Exploitation Rate Calculation - Excludes 2E Sport (marine/freshwater.), Troll and Net Recoveries.

Recoveries of Pallant Creek CWT'd Coho:

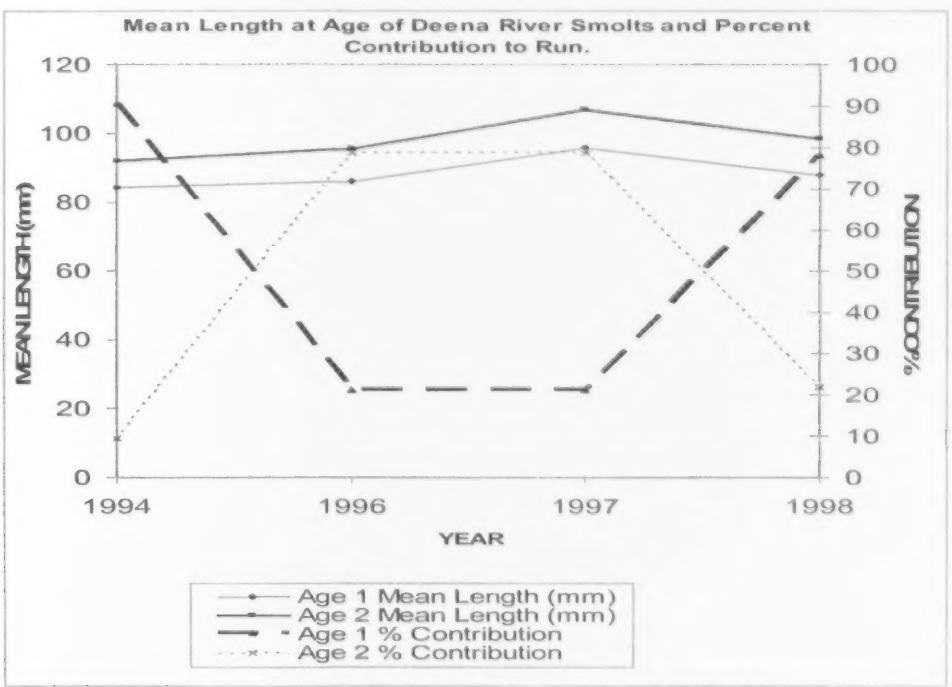
		Estimated Adjusted CWT recoveries																
Recovery Year	# clipped fish in escapement	Alaska troll	Alaska net	Alaska sport	Alaska	North Coast troll	North Coast net	North Coast sport	North Coast Total	Cent. Coast troll	Cent. Coast net	Cent. Coast sport	Cent. Coast Total	South Coast troll	South Coast net	South Coast sport	South Coast Total	Total CWTs
1983	1,610	52	47		99	498	24		522	6			6	8			8	2,245
1984	678	14			14	133	4		137		4		4	27			27	860
1985	681	5	8		13	116	7		123				0	5		9	14	831
1986	121	12			12	76	88		164		16		16				0	313
1987	358	10			10	18			18				0				0	386
1988	845	6			6	136			136				0				0	987
1989	314	14	9		23	95	13		108		2		2				0	447
1990	2,298	156	216		372	1199	45		1244	55	2		57	127			127	4,098
1991	2,026	40	26		66	442	26		468		3		3	83	5		88	2,651
1992	2,710	10	8		18	1518	32		1550				0	33			33	4,311
1993	293	25	15		40	201	19		220				0	4	1		5	558
1994	479	67	87		154	490	74	16	580	1	3		4	3			3	1,220
1995	352		10		10	49	12		61				0				0	423
1996	259	10	8		18	132	7		139				0				0	416
1997	75	6	3		9	20	5		25				0				0	109

		Exploitation Rate Calculation																
Recovery Year	Total Exploitation Rate	Alaska troll	Alaska net	Alaska sport	Alaska	North Coast troll	North Coast net	North Coast sport	North Coast Total	Cent. Coast troll	Cent. Coast net	Cent. Coast sport	Cent. Coast Total	South Coast troll	South Coast net	South Coast sport	South Coast Total	Canadian Total
1983	0.283	0.023	0.021	0.000	0.044	0.222	0.011	0.000	0.233	0.003	0.000	0.000	0.003	0.004	0.000	0.000	0.004	0.239
1984	0.212	0.016	0.000	0.000	0.016	0.155	0.005	0.000	0.159	0.000	0.005	0.000	0.005	0.031	0.000	0.000	0.031	0.195
1985	0.181	0.006	0.010	0.000	0.016	0.140	0.008	0.000	0.148	0.000	0.000	0.000	0.000	0.006	0.000	0.011	0.017	0.165
1986	0.614	0.038	0.000	0.000	0.038	0.243	0.282	0.000	0.525	0.000	0.051	0.000	0.051	0.000	0.000	0.000	0.000	0.576
1987	0.073	0.026	0.000	0.000	0.026	0.047	0.000	0.000	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047
1988	0.144	0.006	0.000	0.000	0.006	0.138	0.000	0.000	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.138
1989	0.298	0.031	0.020	0.000	0.051	0.213	0.029	0.000	0.242	0.000	0.004	0.000	0.004	0.000	0.000	0.000	0.000	0.246
1990	0.439	0.038	0.053	0.000	0.091	0.293	0.011	0.000	0.304	0.013	0.000	0.000	0.014	0.031	0.000	0.000	0.031	0.348
1991	0.236	0.015	0.010	0.000	0.025	0.167	0.010	0.000	0.177	0.000	0.001	0.000	0.001	0.031	0.002	0.000	0.033	0.211
1992	0.371	0.002	0.002	0.000	0.004	0.352	0.007	0.000	0.360	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.008	0.367
1993	0.475	0.045	0.027	0.000	0.072	0.360	0.034	0.000	0.395	0.000	0.000	0.000	0.000	0.007	0.002	0.000	0.009	0.404
1994	0.607	0.055	0.071	0.000	0.126	0.402	0.061	0.013	0.475	0.001	0.002	0.000	0.003	0.002	0.000	0.000	0.002	0.481
1995	0.168	0.000	0.024	0.000	0.024	0.116	0.028	0.000	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.144
1996	0.378	0.024	0.019	0.000	0.043	0.317	0.017	0.000	0.334	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.334
1997	0.311	0.055	0.027	0.000	0.082	0.183	0.046	0.000	0.229	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.229
Mean:	0.319	0.025	0.019	0.000	0.044	0.223	0.037	0.001	0.260	0.001	0.004	0.000	0.005	0.008	0.000	0.001	0.009	0.275

Table 92. Age-Length Distribution1 of Deena River Coho Smolts and Contribution of Age-class to Smolt Output.

Size Class (mm)	1994 Number of Fish Age 1	1994 Number of Fish Age 2	1996 Number of Fish Age 1	1996 Number of Fish Age 2	1997 Number of Fish Age 1	1997 Number of Fish Age 2	1998 Number of Fish Age 1	1998 Number of Fish Age 2
50			0	1				
55	10	0	1	0				
60	24	0	2	0	1	0	4	0
65	72	0	4	1	0	0	9	2
70	89	0	8	5	3	2	28	3
75	118	6	33	11	4	0	41	3
80	91	11	22	23	12	7	44	10
85	98	10	21	41	12	6	36	11
90	90	20	22	49	12	32	33	9
95	65	11	25	43	11	39	16	8
100	41	14	7	28	11	59	10	5
105	11	6	5	20	12	53	11	2
110	19	0	2	13	10	67	6	3
115	8	0	0	7	1	52	10	2
120	3	0	0	8	2	23	7	4
125			0	5	2	13	6	3
130			0	1	0	1	1	4
135			0	1	0	3	0	2
140			0	1	1	0	1	1
145							0	1
150							0	1
Mean Length (mm):	84.43	92.05	86.21	95.69	95.85	106.83	87.95	98.69
SD:	12.07	8.15	10.5	13.00	13.20	10.96	14.90	20.49
Sample Size:	738	76	152	257	95	356	262	74
% Contribution:	90.5	9.3	21.1	78.9	21.1	78.9	78.1	21.9

[1]Calculated from a sub-sample of measured smolts which were aged.



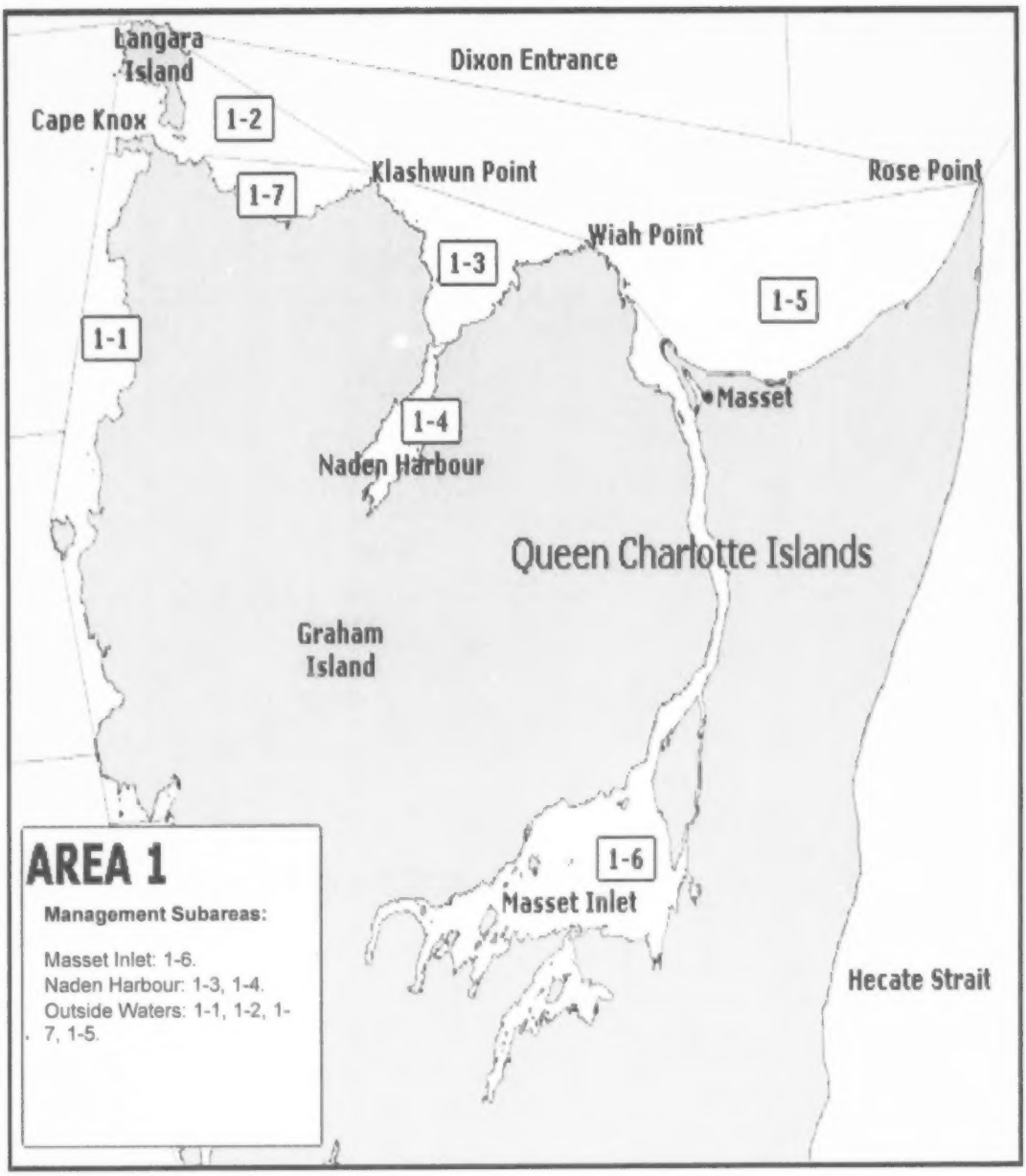


Figure 1. Map of Statistical Area 1 of the Queen Charlotte Islands, showing Statistical Subareas and Fisheries Management Areas.

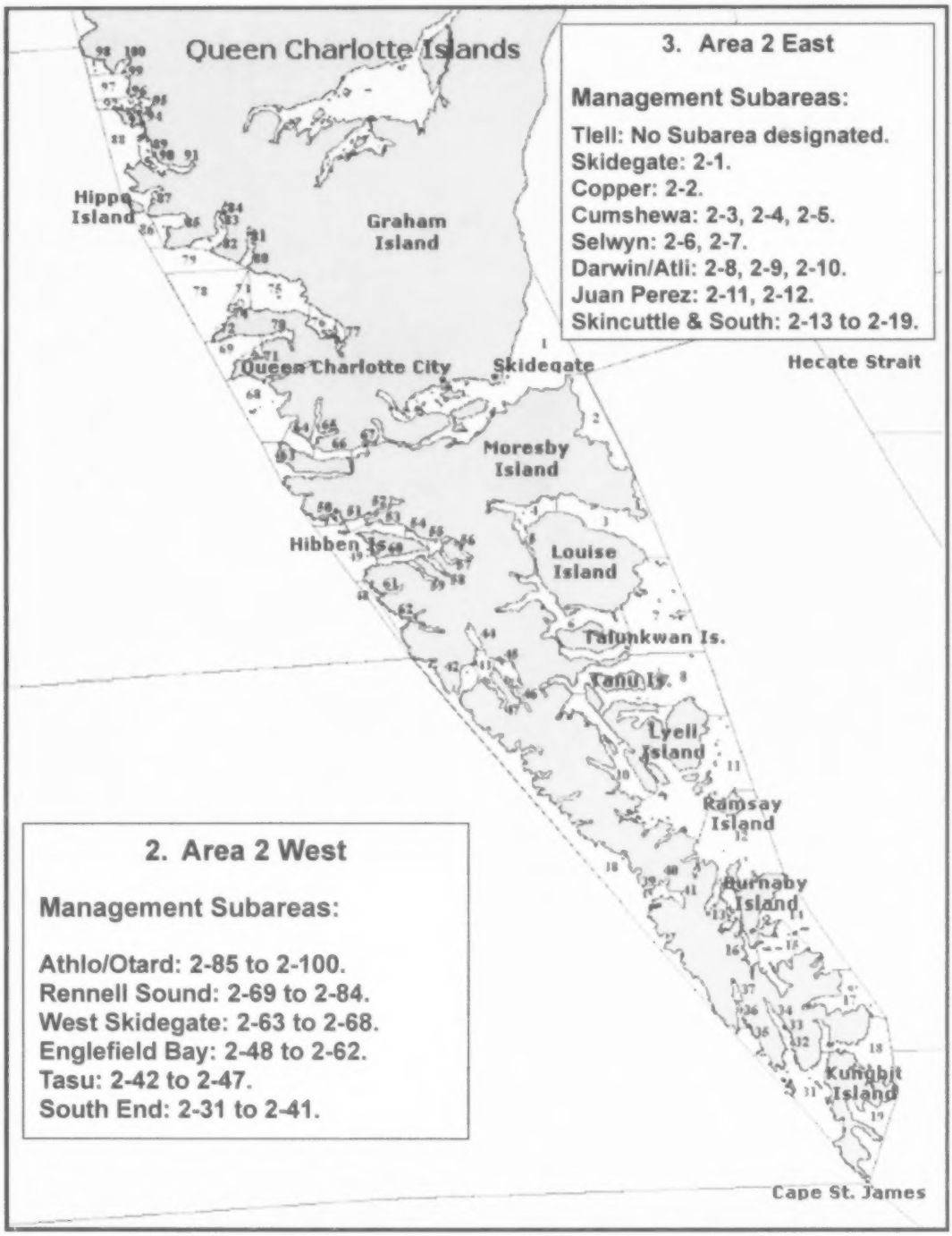


Figure 2. Map of Statistical Areas 2 East and 2 West of the Queen Charlotte Islands, showing Statistical Subareas and Fisheries Management Areas.

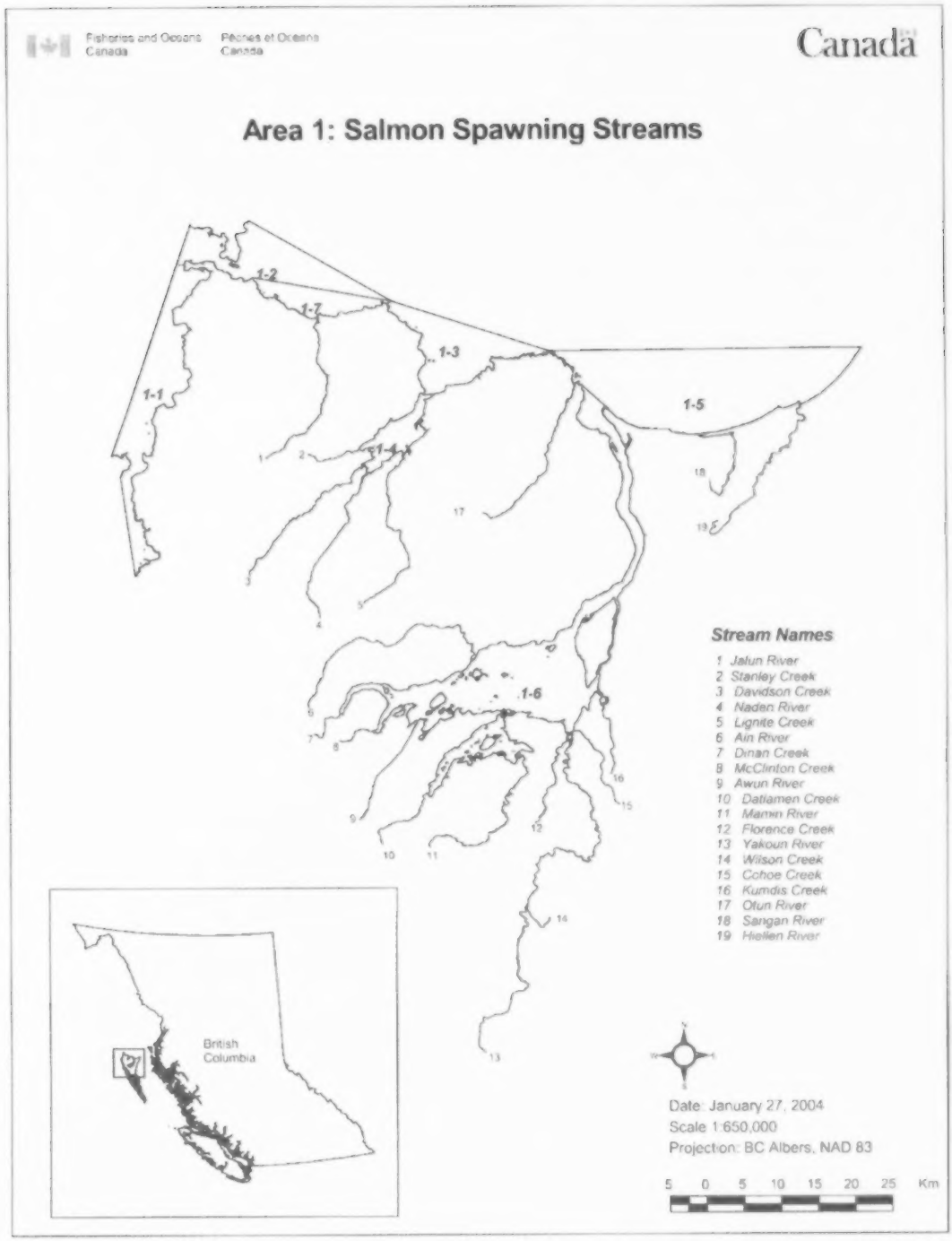


Figure 3. Map of Statistical Area 1 showing locations of salmon streams.

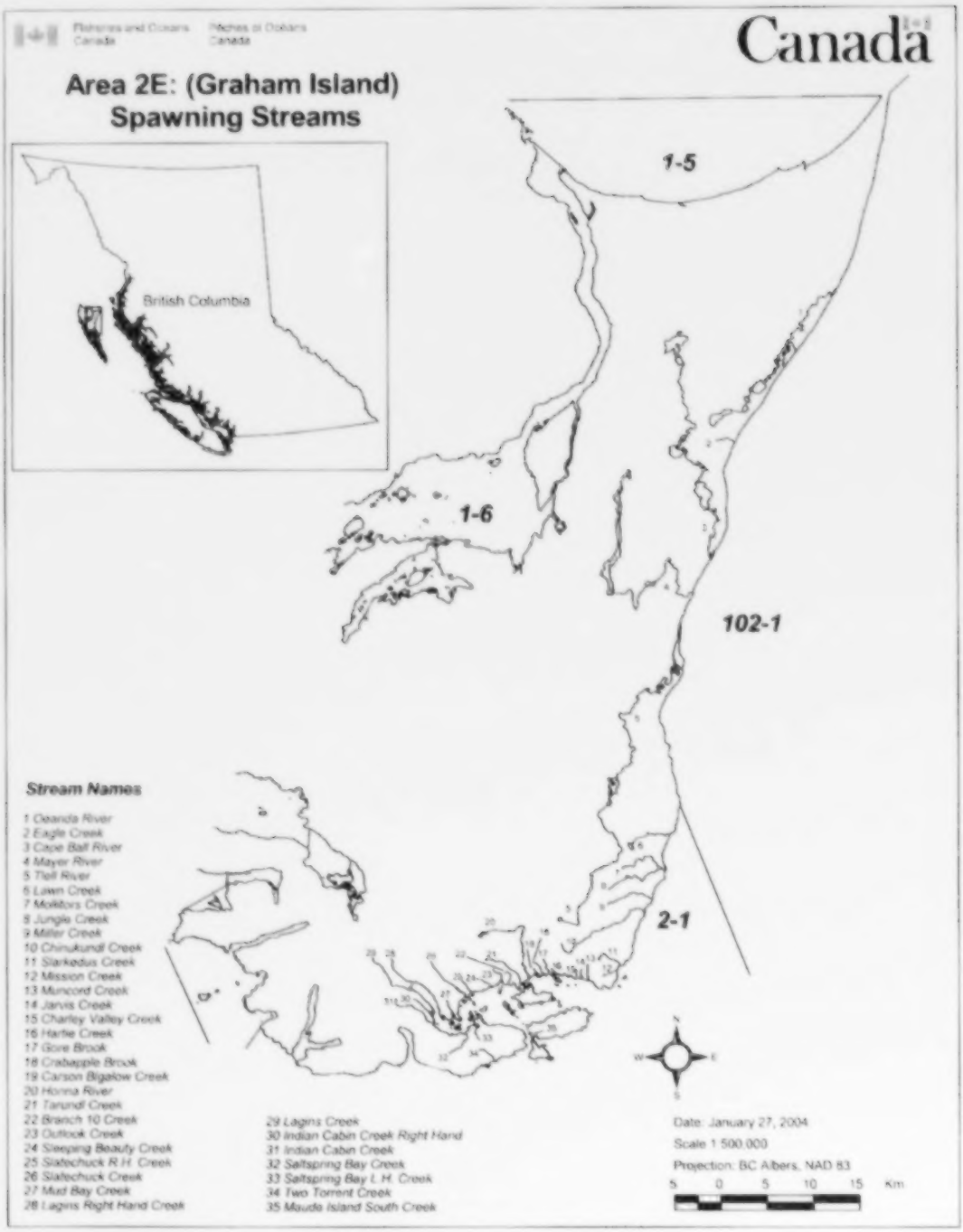


Figure 4. Map of Statistical Area 2 East (north) showing locations of salmon streams.

Figure 5. Map of Statistical Area 2 East (south) showing locations of salmon streams.

Fisheries and Oceans Canada
Pêches et Océans Canada
Canada
Area 2W: Salmon Spawning Streams
British Columbia
Stream Names
1 Otard Creek
2 Port Louis Creek Outer
3 Steel Creek
4 Coates Creek
5 Celestial River
6 Mace Creek
7 Hobbs Creek
8 Mercer Creek
9 Nesto Inlet Creek Inner
10 Hippa Creek
11 Seal Inlet Creek
12 Tartu Inlet Head Creek
13 Tartu Inlet Outer Creek
14 Bonanza Creek
15 Gregory Creek
16 Riley Creek
17 Shelly Creek
18 Shields Creek
19 Rockrun Creek
20 Mountain Creek
21 Rennell Creek
22 Clapp Basin Creek
23 Clonard Bay Creek
24 Cone Head Creek
25 Kano Inlet Head Creek
26 Givenchy Anchorage Creek
27 Carew Bay Creek
28 Gudal Creek
29 Dawson Inlet Creek
30 Dawson Harbour Creek
31 West Narrows Creek
32 North Arm Head Creek
33 North Arm Creek Right Hand
34 Browns Cabin Creek
35 Armentieres Creek
36 Buck Channel Creek #One
37 Buck Channel Creek #Two
38 Buck Channel Creek #Three
39 Buck Channel Creek #Four
40 Buck Channel Creek #Five
41 Buck Channel Creek #Six
42 Buck Channel Creek #Seven
43 Buck Channel Creek #Eight
44 Kaisun Creek
45 Mckenzie Cove Creek
46 Security Inlet Left Hand Creek
47 Jason Creek
48 Hastings Point Creek
49 Peel Inlet 1st Left Hand Creek
50 Peel Inlet 2nd Left Hand Creek
51 Peel Inlet Head Creek
52 Mudge Creek
53 Mitchell Inlet Left Hand Creek
54 Gold Harbour Creek
55 Douglas Inlet Head Creek
56 Douglas Inlet Right Hand Creek
57 Bottle Inlet Creek
58 Kootenay Inlet North Arm Creek
59 Kootenay Inlet South Arm Creek
60 Lomgon Bay Creek
61 Tasu Creek
62 Crazy Creek
63 Edwards Creek
64 Flat Creek
65 Botany Bay Creek
66 Botany Inlet Head Creek
67 Botany Inlet Outer Creek
68 Fairfax Creek
69 Fairfax Outer Creek
70 Goski Bay Creek
71 Yakulanas Right Hand Creek
72 Flamingo Inlet Head L.H. Creek
73 Staki Creek
74 Sperm Bay Creek
75 Louscoone Inlet Creek
76 Louscoone Inlet Creek Outer
10 0 10 20 30 40 Km
N
W E
S
Date: January 27, 2004
Scale: 1: 825,000
Projection: BC Albers, NAD 83

Figure 6. Map of Statistical Area 2 West showing locations of salmon streams.

Figure 7. Geographic groupings of Statistical Area 1 plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.

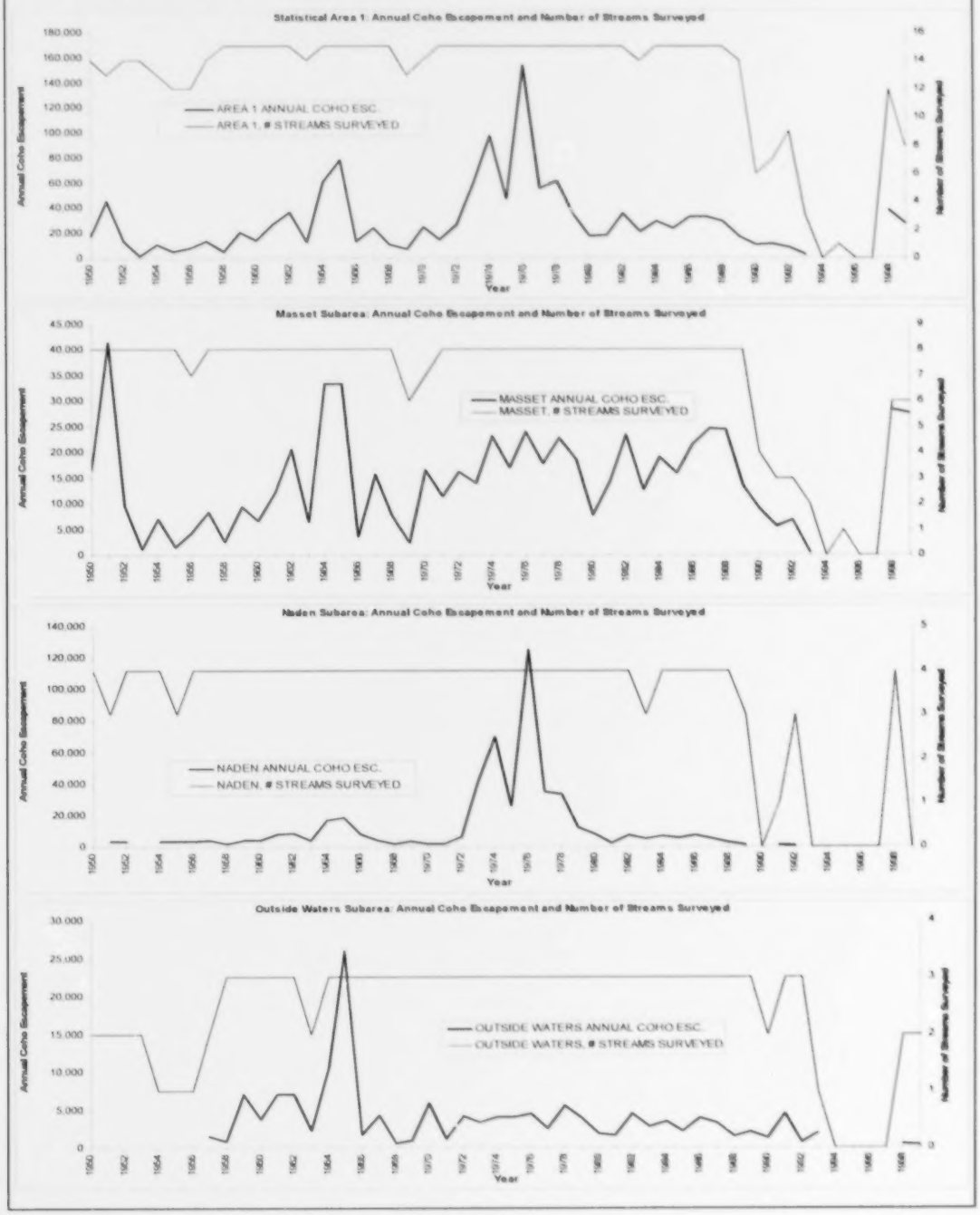

Statistical Area 1: Annual Coho Escapement and Number of Streams Surveyed
AREA 1 ANNUAL COHO ESC.
AREA 1, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Masset Subarea: Annual Coho Escapement and Number of Streams Surveyed
MASSET ANNUAL COHO ESC.
MASSET, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Naden Subarea: Annual Coho Escapement and Number of Streams Surveyed
NADEN ANNUAL COHO ESC.
NADEN, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Outside Waters Subarea: Annual Coho Escapement and Number of Streams Surveyed
OUTSIDE WATERS ANNUAL COHO ESC.
OUTSIDE WATERS, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 8. Geographic groupings of Statistical Area 2 West plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.

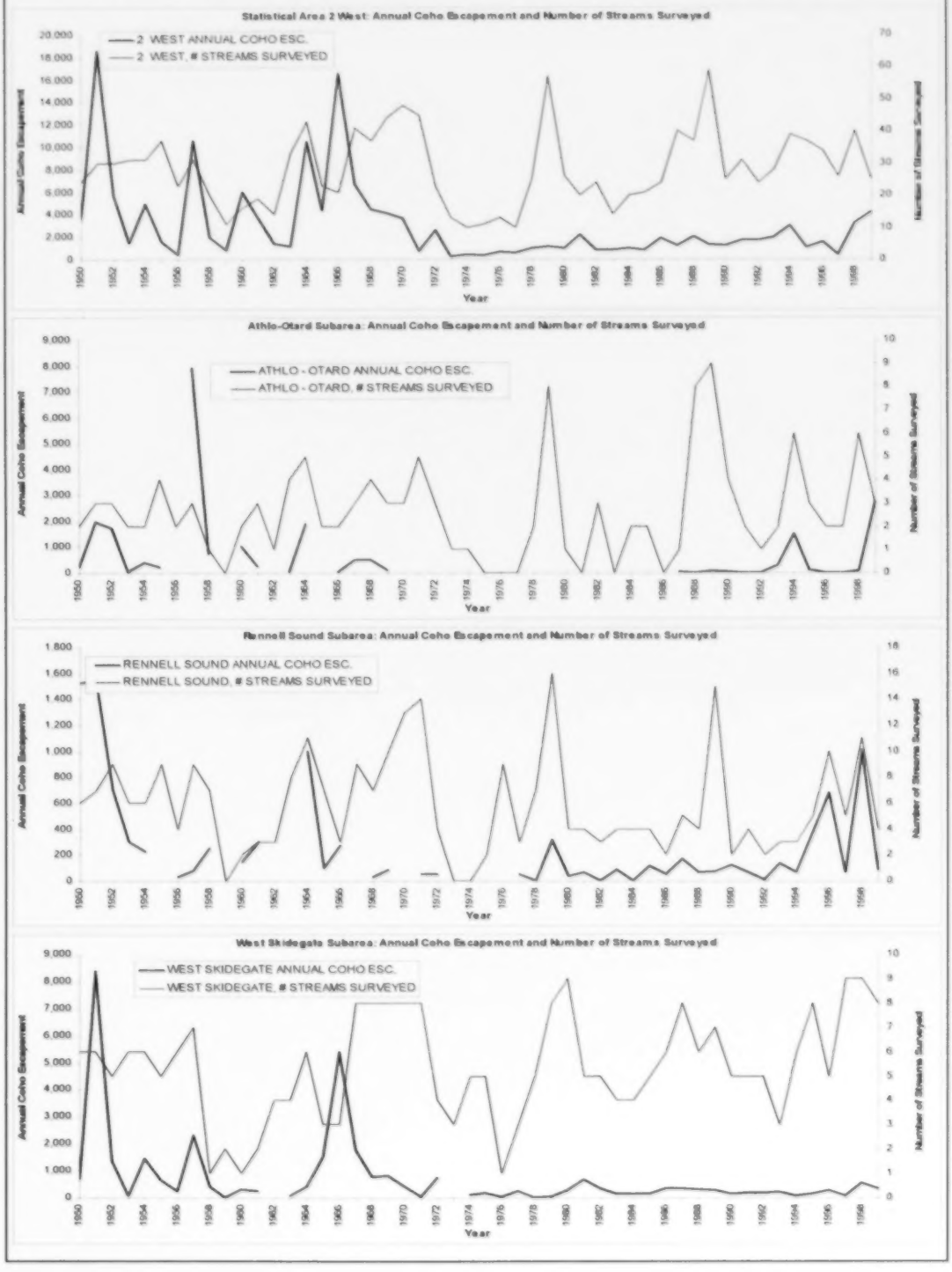
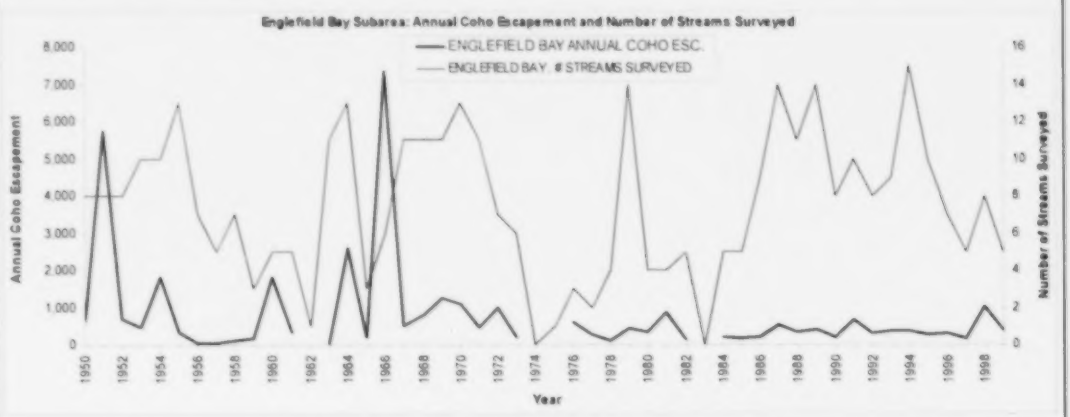
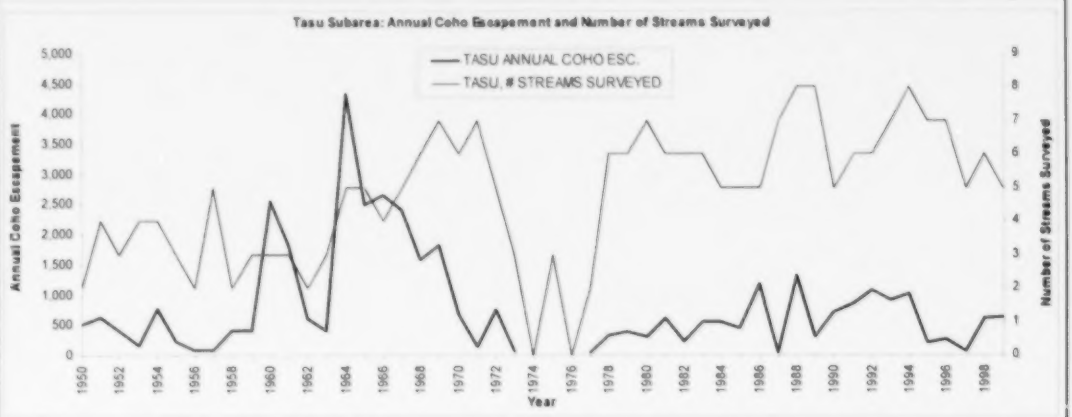

Statistical Area 2 West: Annual Coho Escapement and Number of Streams Surveyed
2 WEST ANNUAL COHO ESC.
2 WEST, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Athlo-Otard Subarea: Annual Coho Escapement and Number of Streams Surveyed
ATHLO - OTARD ANNUAL COHO ESC.
ATHLO - OTARD, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Rennell Sound Subarea: Annual Coho Escapement and Number of Streams Surveyed
RENNELL SOUND ANNUAL COHO ESC.
RENNELL SOUND, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
West Skidegate Subarea: Annual Coho Escapement and Number of Streams Surveyed
WEST SKIDEGATE ANNUAL COHO ESC.
WEST SKIDEGATE, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 8 cont. Geographic groupings of Statistical Area 2 West plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.


Englefield Bay Subarea: Annual Coho Escapement and Number of Streams Surveyed
ENGLEFIELD BAY ANNUAL COHO ESC.
ENGLEFIELD BAY, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year


Tasu Subarea: Annual Coho Escapement and Number of Streams Surveyed
TASU ANNUAL COHO ESC.
TASU, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

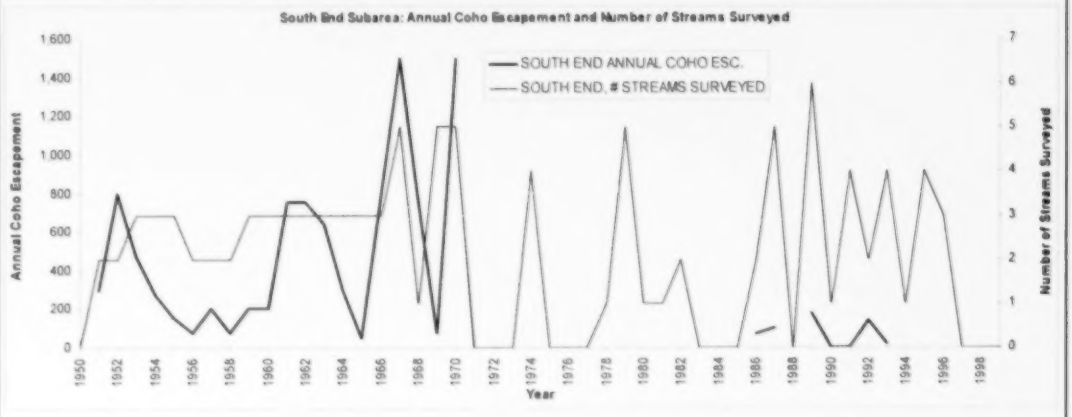

South End Subarea: Annual Coho Escapement and Number of Streams Surveyed
SOUTH END ANNUAL COHO ESC.
SOUTH END, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 9. Geographic groupings of Statistical Area 2 East plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.

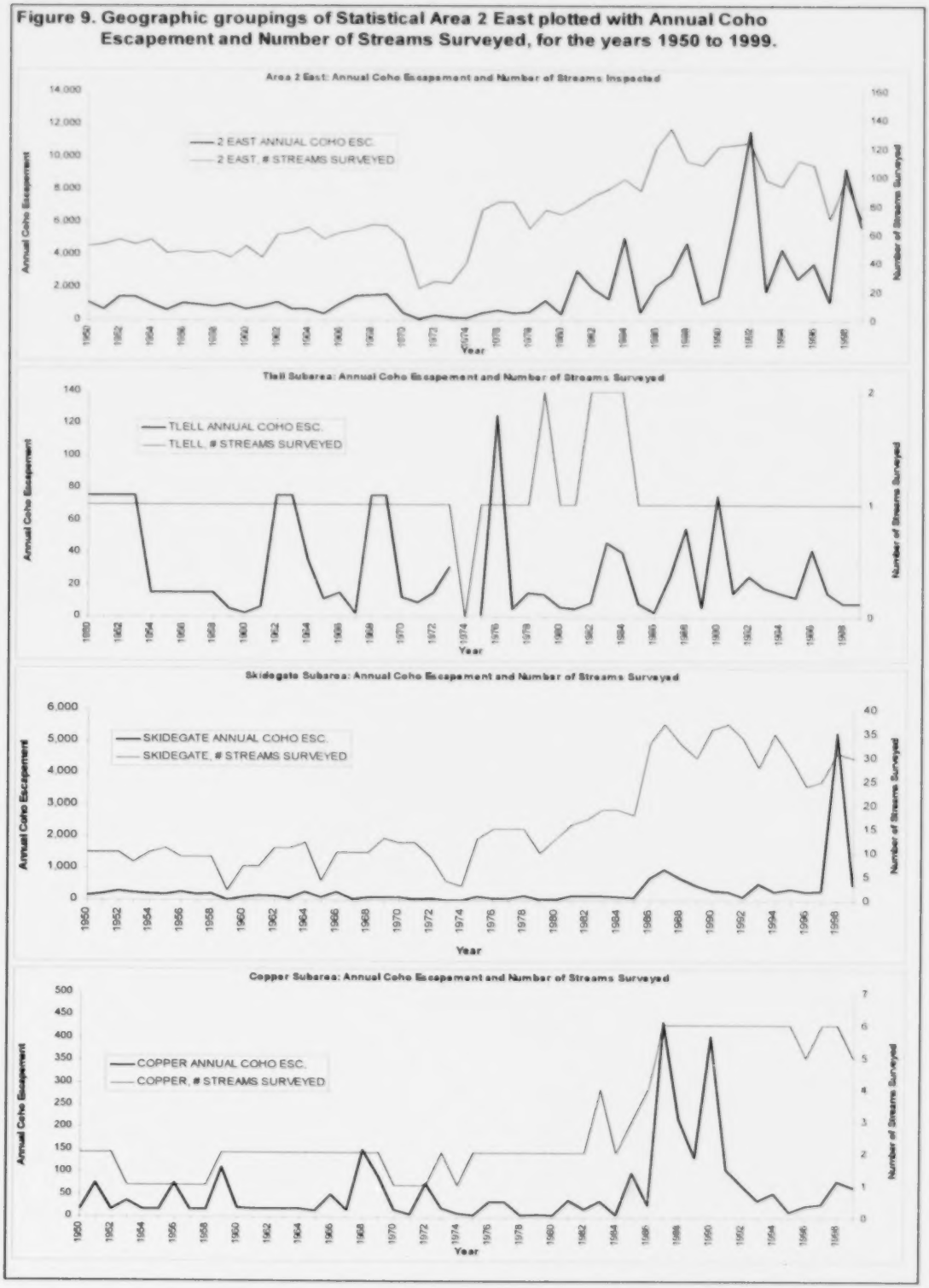

Area 2 East: Annual Coho Escapement and Number of Streams Inspected
2 EAST ANNUAL COHO ESC.
2 EAST, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Tlell Subarea: Annual Coho Escapement and Number of Streams Surveyed
TLELL ANNUAL COHO ESC.
TLELL, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Skidegate Subarea: Annual Coho Escapement and Number of Streams Surveyed
SKIDEGATE ANNUAL COHO ESC.
SKIDEGATE, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Copper Subarea: Annual Coho Escapement and Number of Streams Surveyed
COPPER ANNUAL COHO ESC.
COPPER, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 9 cont. Geographic groupings of Statistical Area 2 East plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.

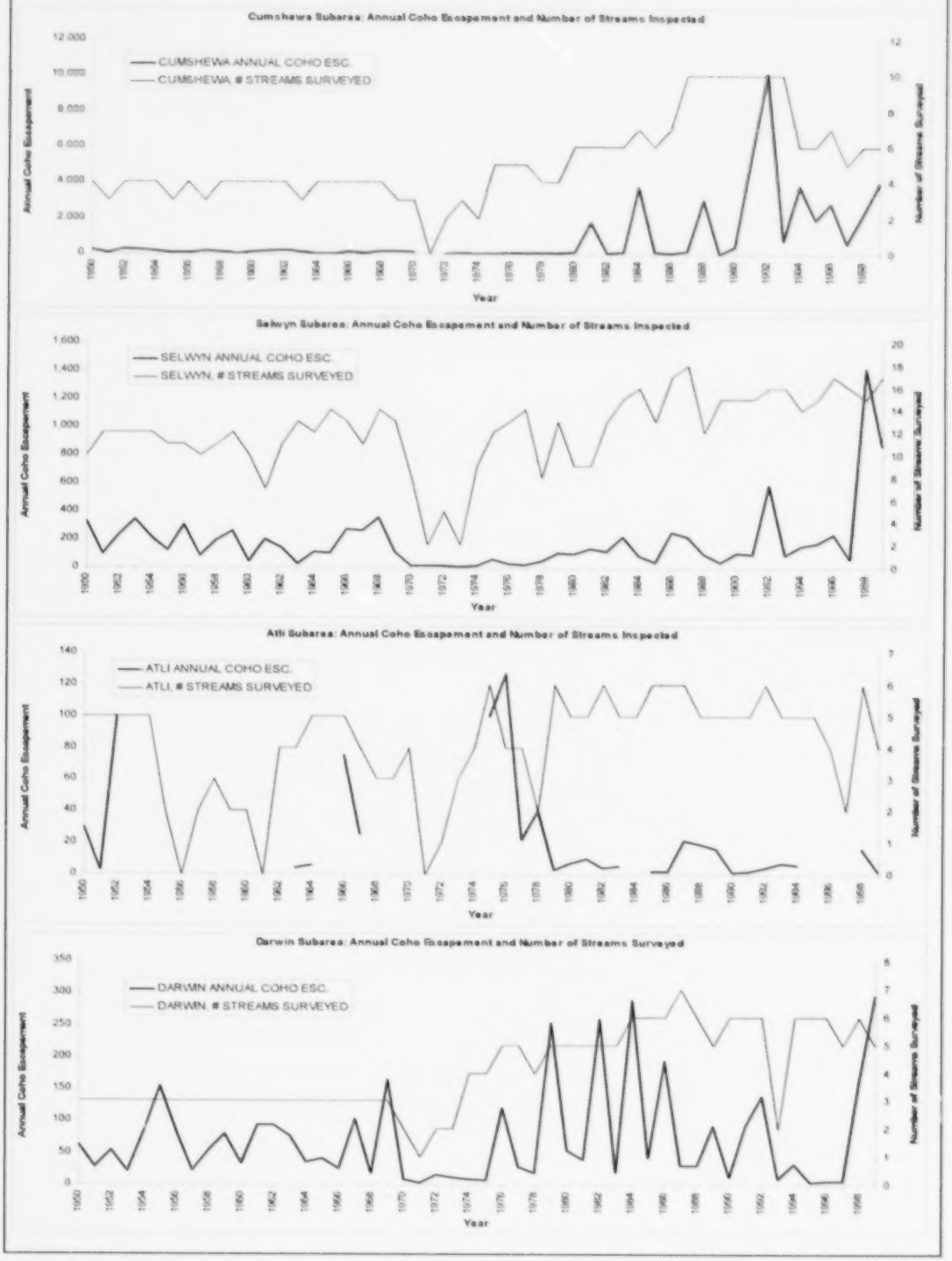
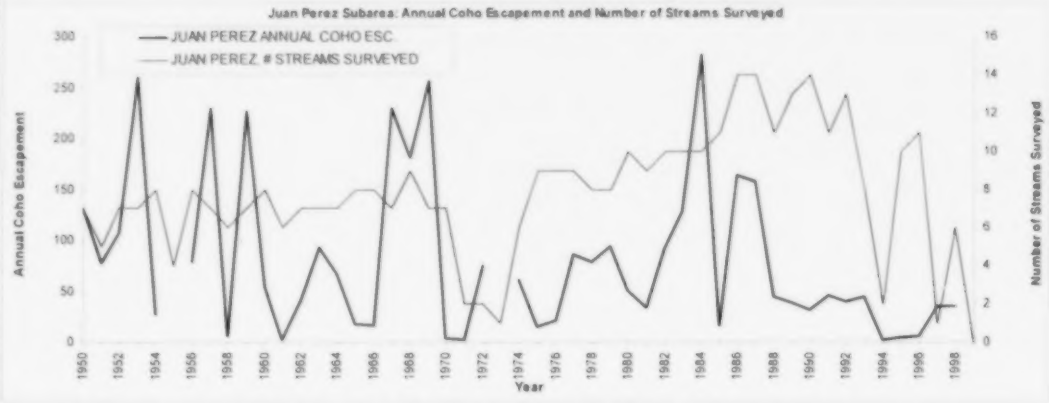
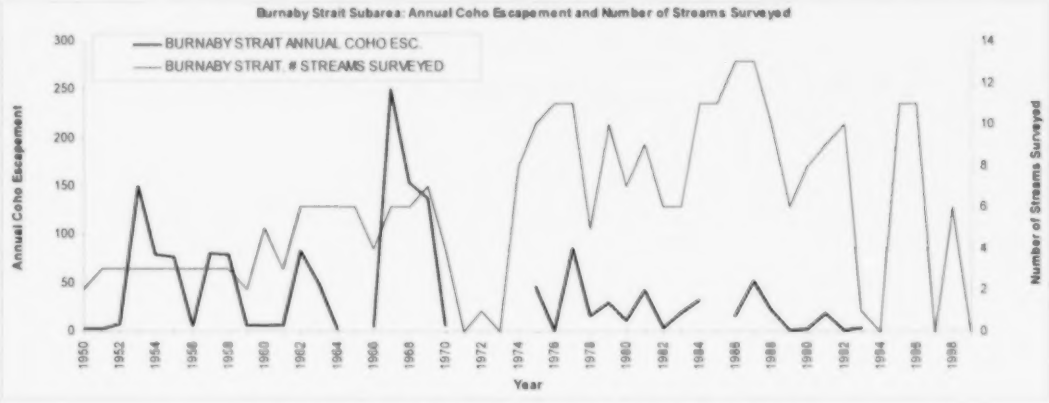

Cumshewa Subarea: Annual Coho Escapement and Number of Streams Inspected
CUMSHEWA ANNUAL COHO ESC.
CUMSHEWA, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Selwyn Subarea: Annual Coho Escapement and Number of Streams Inspected
SELWYN ANNUAL COHO ESC.
SELWYN, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Atli Subarea: Annual Coho Escapement and Number of Streams Inspected
ATLI ANNUAL COHO ESC.
ATLI, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year
Darwin Subarea: Annual Coho Escapement and Number of Streams Surveyed
DARWIN ANNUAL COHO ESC.
DARWIN, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 9 cont. Geographic groupings of Statistical Area 2 East plotted with Annual Coho Escapement and Number of Streams Surveyed, for the years 1950 to 1999.


Juan Perez Subarea: Annual Coho Escapement and Number of Streams Surveyed
JUAN PEREZ ANNUAL COHO ESC.
JUAN PEREZ # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year


Burnaby Strait Subarea: Annual Coho Escapement and Number of Streams Surveyed
BURNABY STRAIT ANNUAL COHO ESC.
BURNABY STRAIT # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

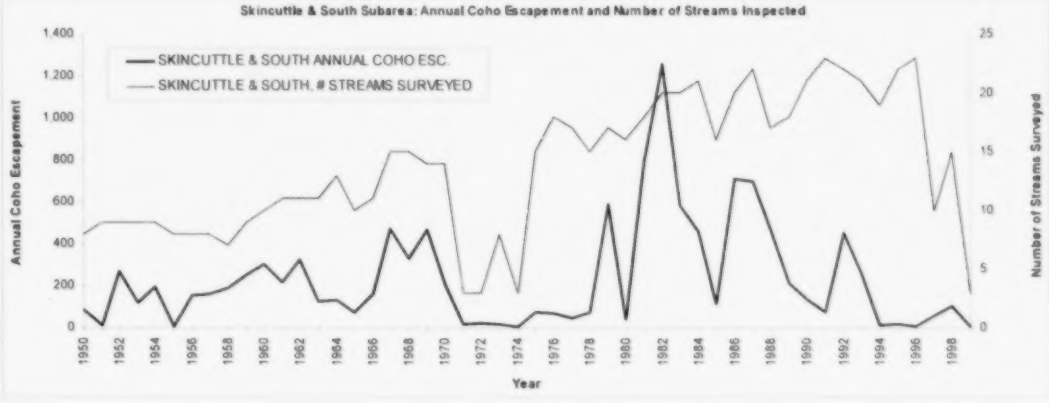

Skincuttle & South Subarea: Annual Coho Escapement and Number of Streams Inspected
SKINCUTTLE & SOUTH ANNUAL COHO ESC.
SKINCUTTLE & SOUTH, # STREAMS SURVEYED
Annual Coho Escapement
Number of Streams Surveyed
Year

Figure 10. Comparison of Standardized Coho Escapement Index (Pmax) Values for Area 1 Aggregate Streams and Annual Escapement Estimates (All Streams).

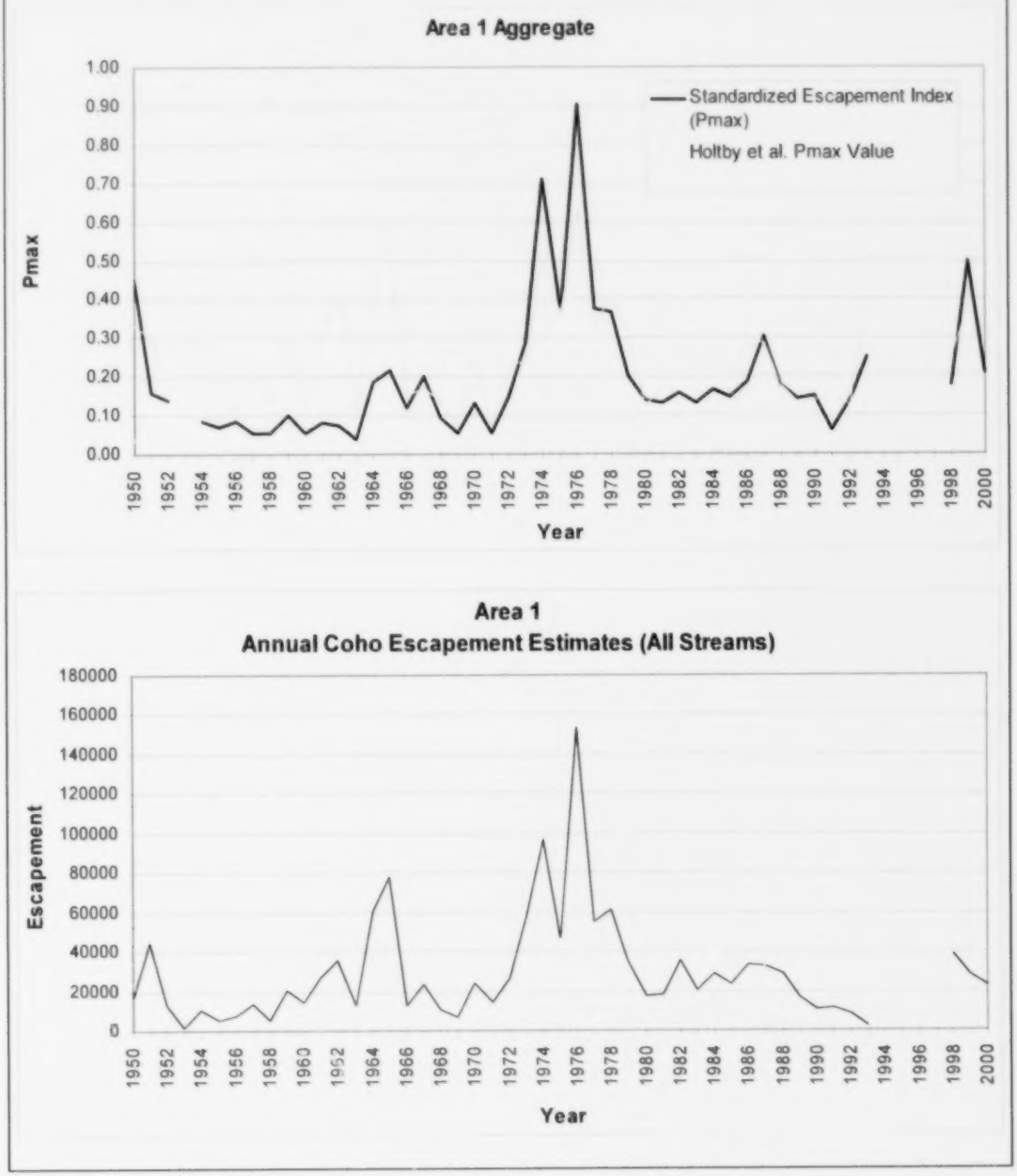


Figure 11. Comparison of Standardized Coho Escapement Index (Pmax) Values for Area 2 West Aggregate Streams and Annual Escapement Estimates (All Streams).

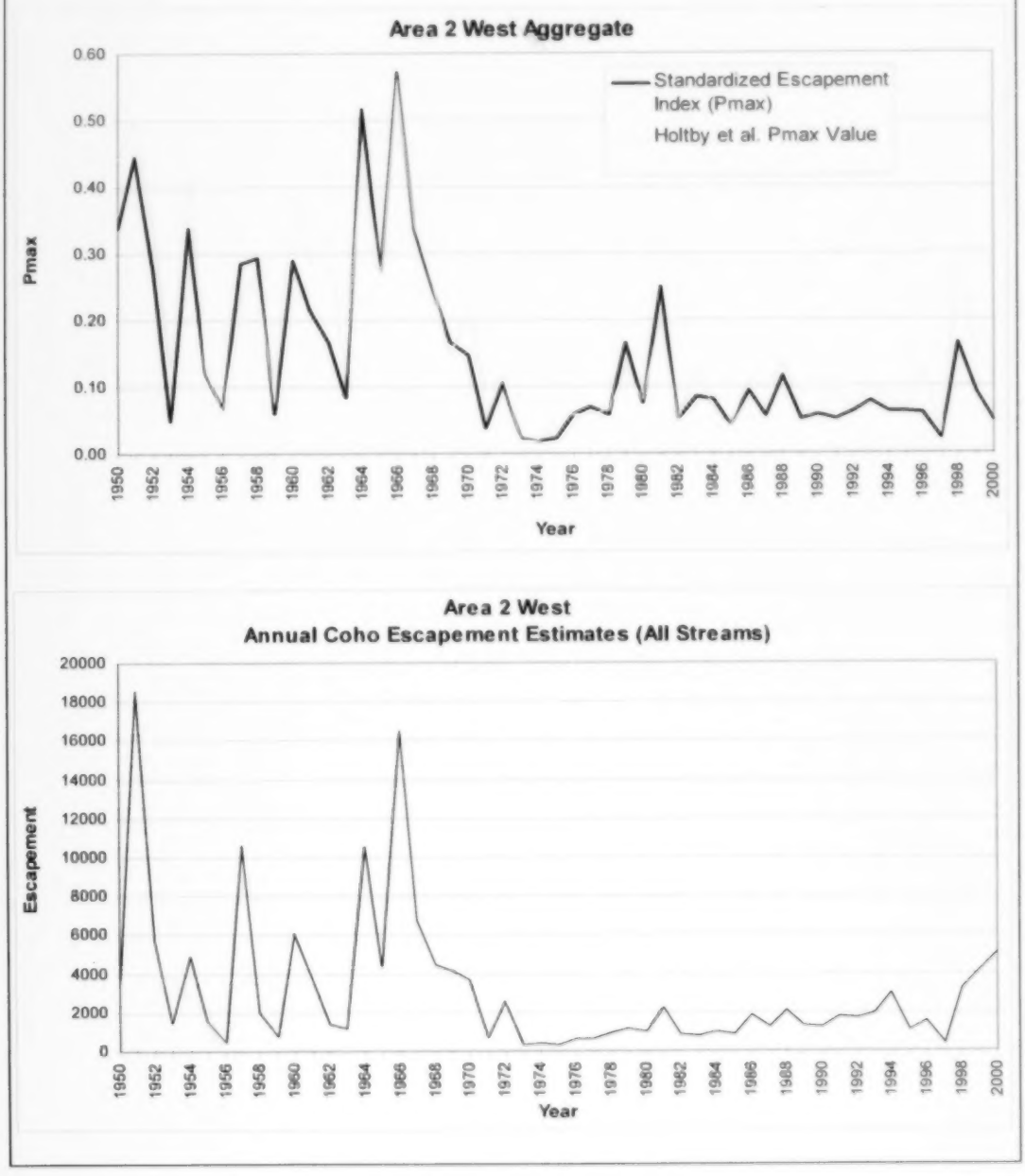


Figure 12. Comparison of Standardized Coho Escapement Index (Pmax) Values for Area 2 East Aggregate Streams and Annual Escapement Estimates (All Streams).

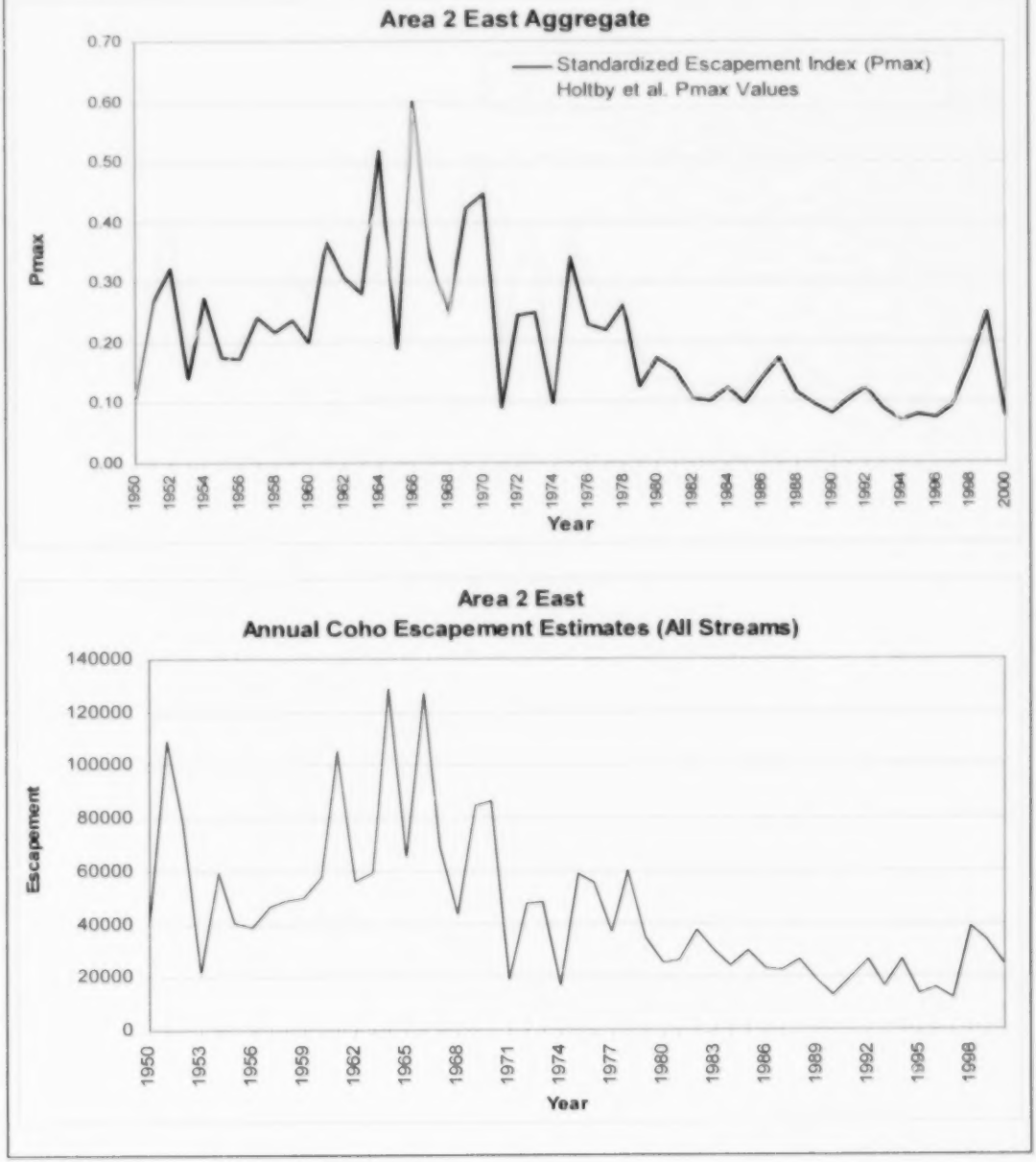


Figure 13. Comparison of Pmax Values for Area 1 Stream Aggregates.

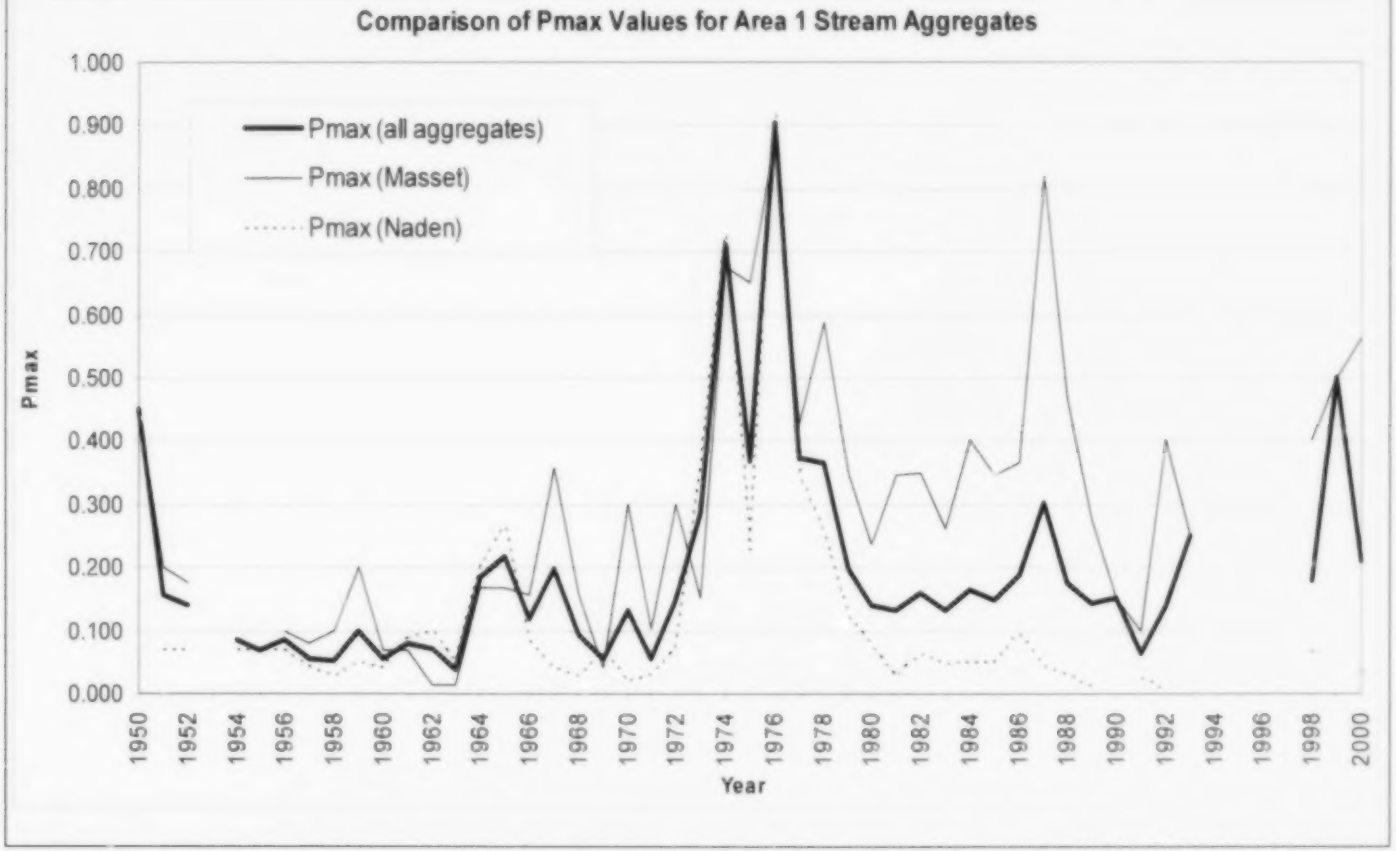


Figure 14. Comparison of Pmax Values for Area 2 West Stream Aggregates.

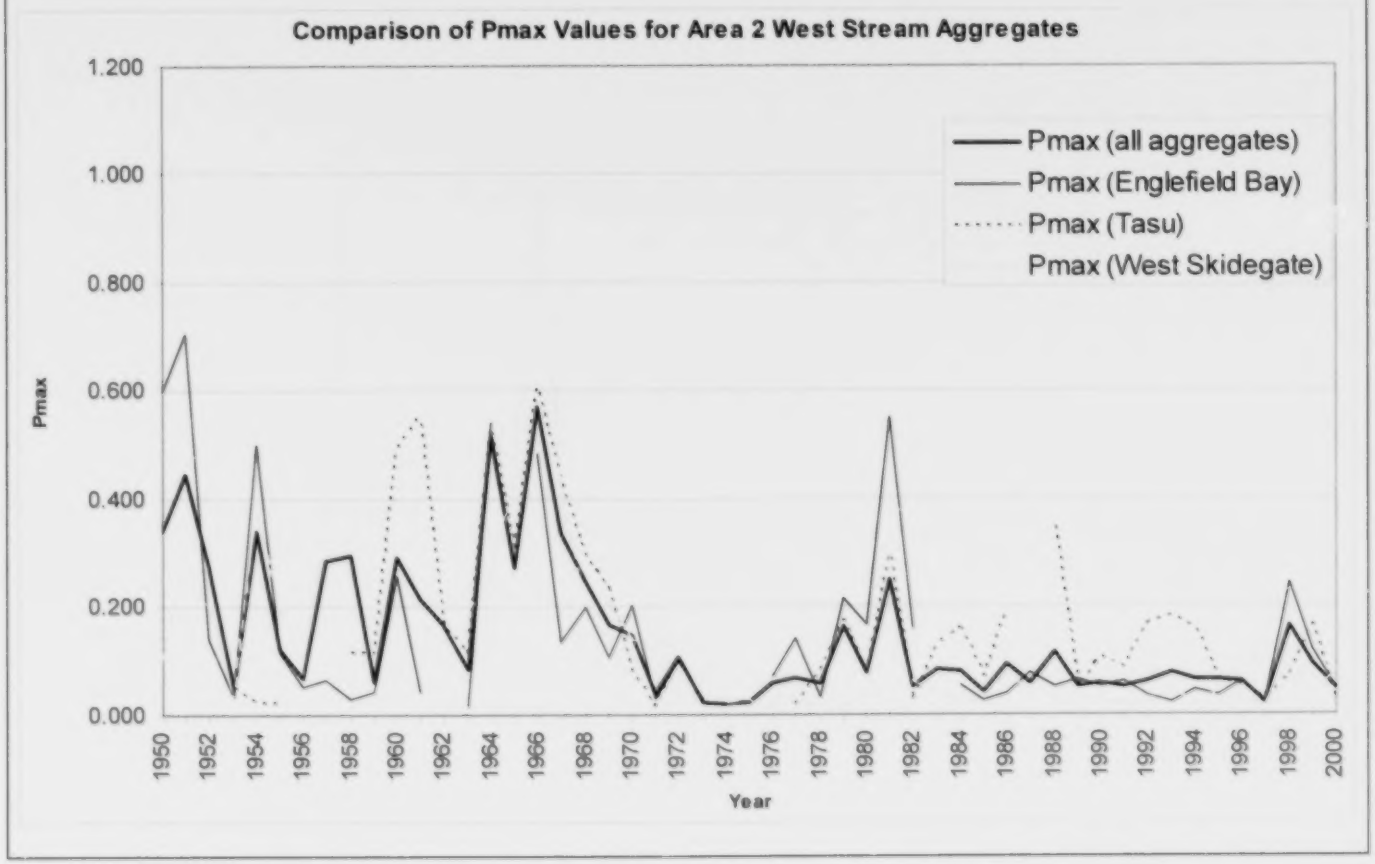


Figure 15. Comparison of Pmax Values for Area 2 East Stream Aggregates.

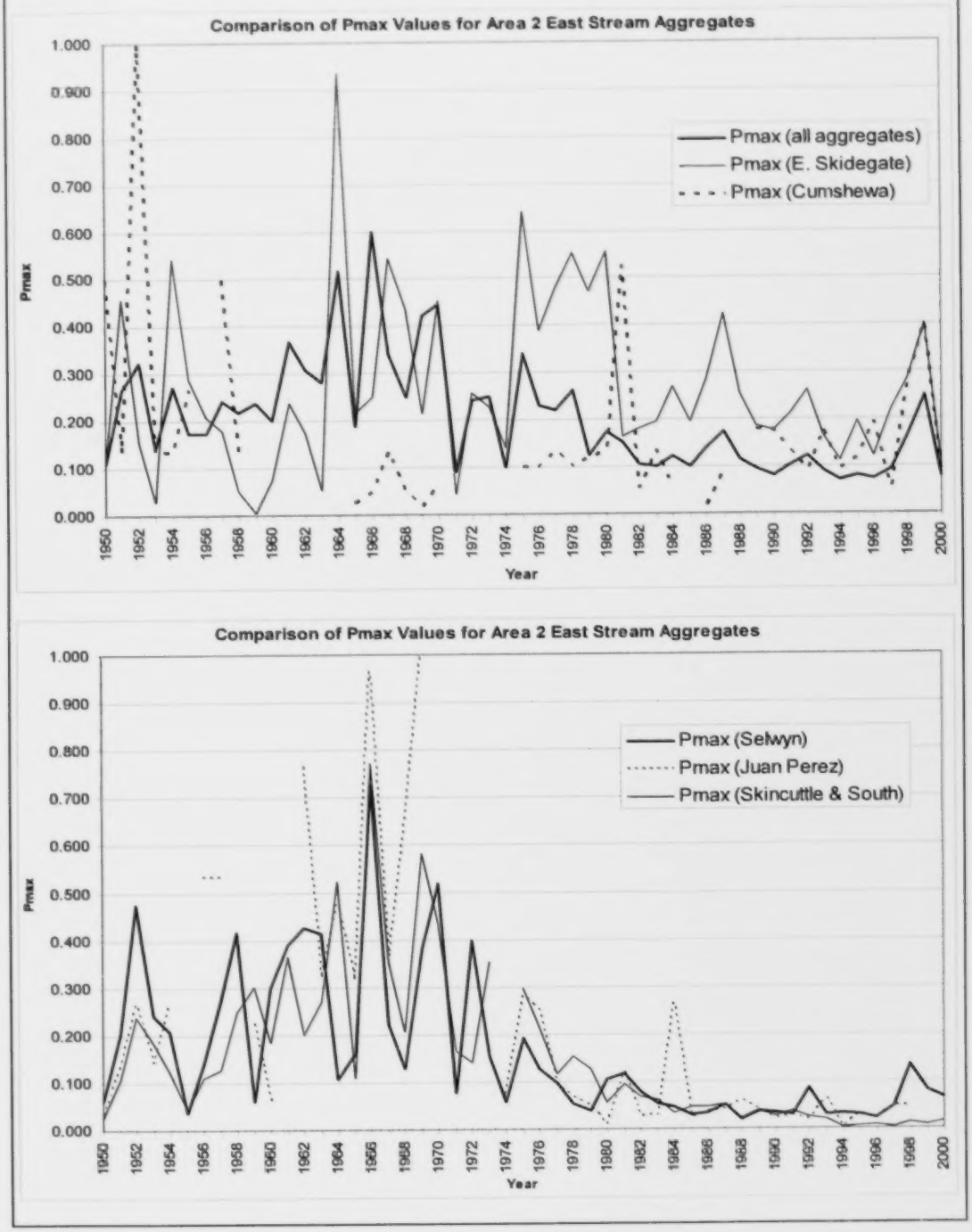


Figure 16. Comparison of Standardized Coho Escapement Index (Pmax) Values for 2 West Aggregate Streams, Original Dataset vs. Dataset with 'Corrected' Data.

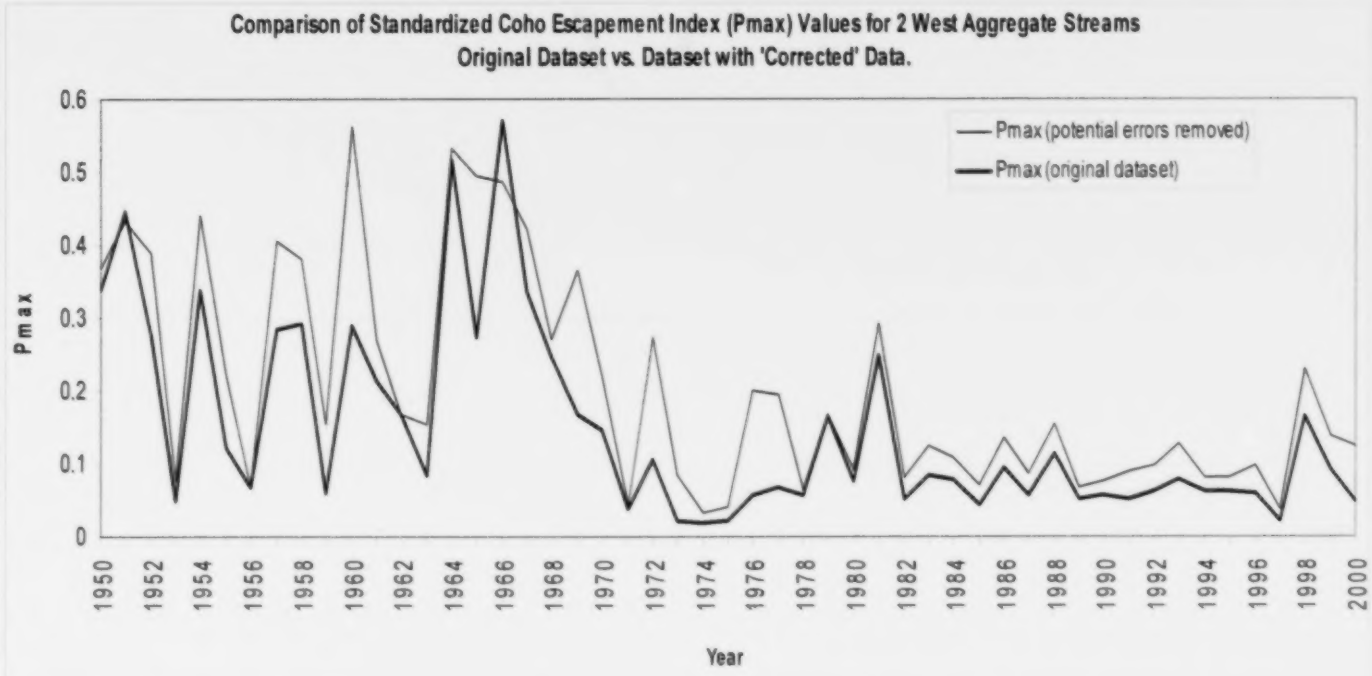


Figure 17. Comparison of Standardized Coho Escapement Index (Pmax) Values for West Skidegate, Englefield Bay and Tasu Aggregate Streams, Original Dataset vs. Dataset with 'Corrected' Data.

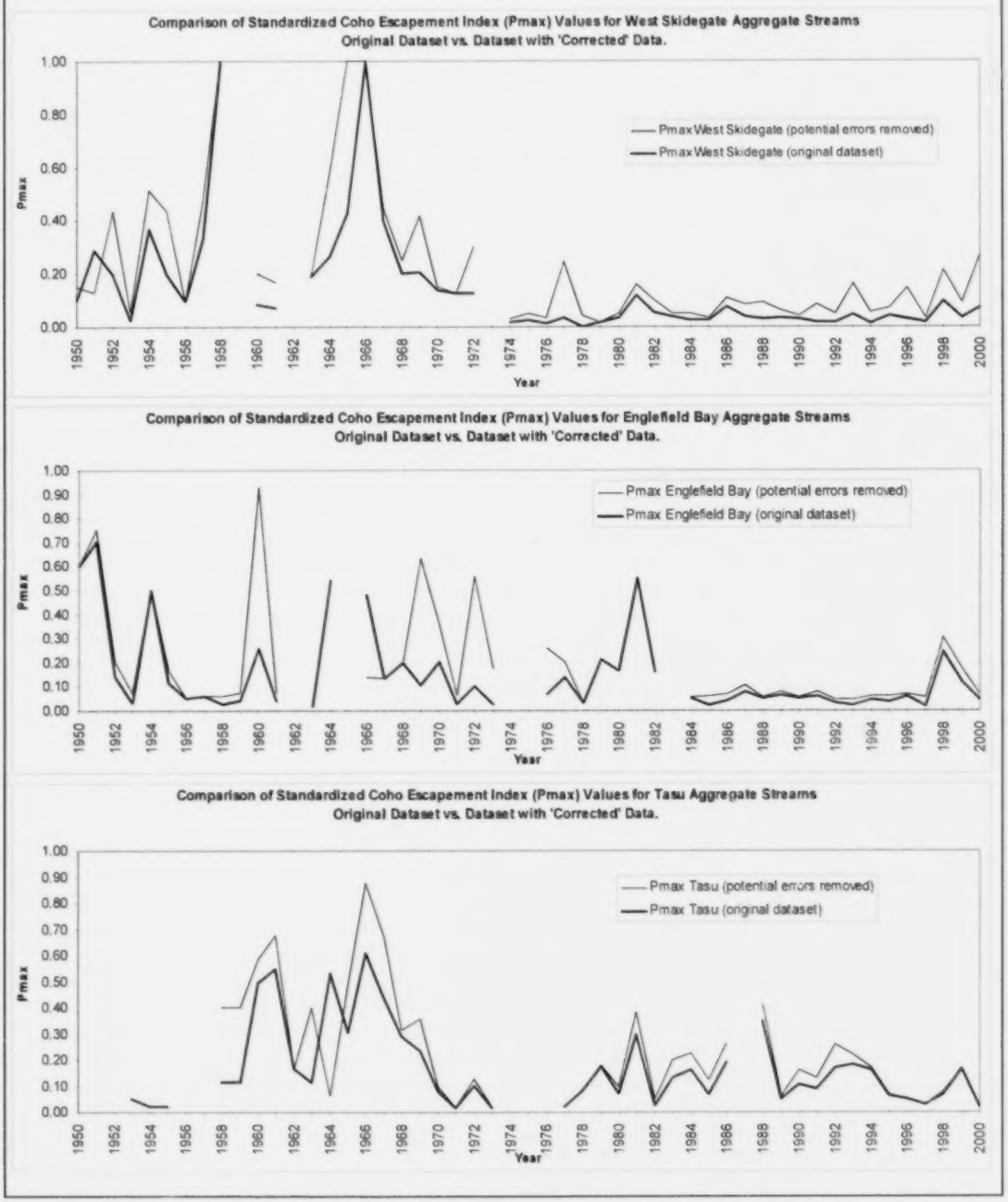

Comparison of Standardized Coho Escapement Index (Pmax) Values for West Skidegate Aggregate Streams
Original Dataset vs. Dataset with 'Corrected' Data.
Pmax West Skidegate (potential errors removed)
Pmax West Skidegate (original dataset)
Pmax
Year
Comparison of Standardized Coho Escapement Index (Pmax) Values for Englefield Bay Aggregate Streams
Original Dataset vs. Dataset with 'Corrected' Data.
Pmax Englefield Bay (potential errors removed)
Pmax Englefield Bay (original dataset)
Pmax
Year
Comparison of Standardized Coho Escapement Index (Pmax) Values for Tasu Aggregate Streams
Original Dataset vs. Dataset with 'Corrected' Data.
Pmax Tasu (potential errors removed)
Pmax Tasu (original dataset)
Pmax
Year

Figure 18. Yakoun River Coho Daily Fence Counts, 1972, 1974, 1976, 1984, 1986, 1988, 1990, 1992 and 1994 to 1996.

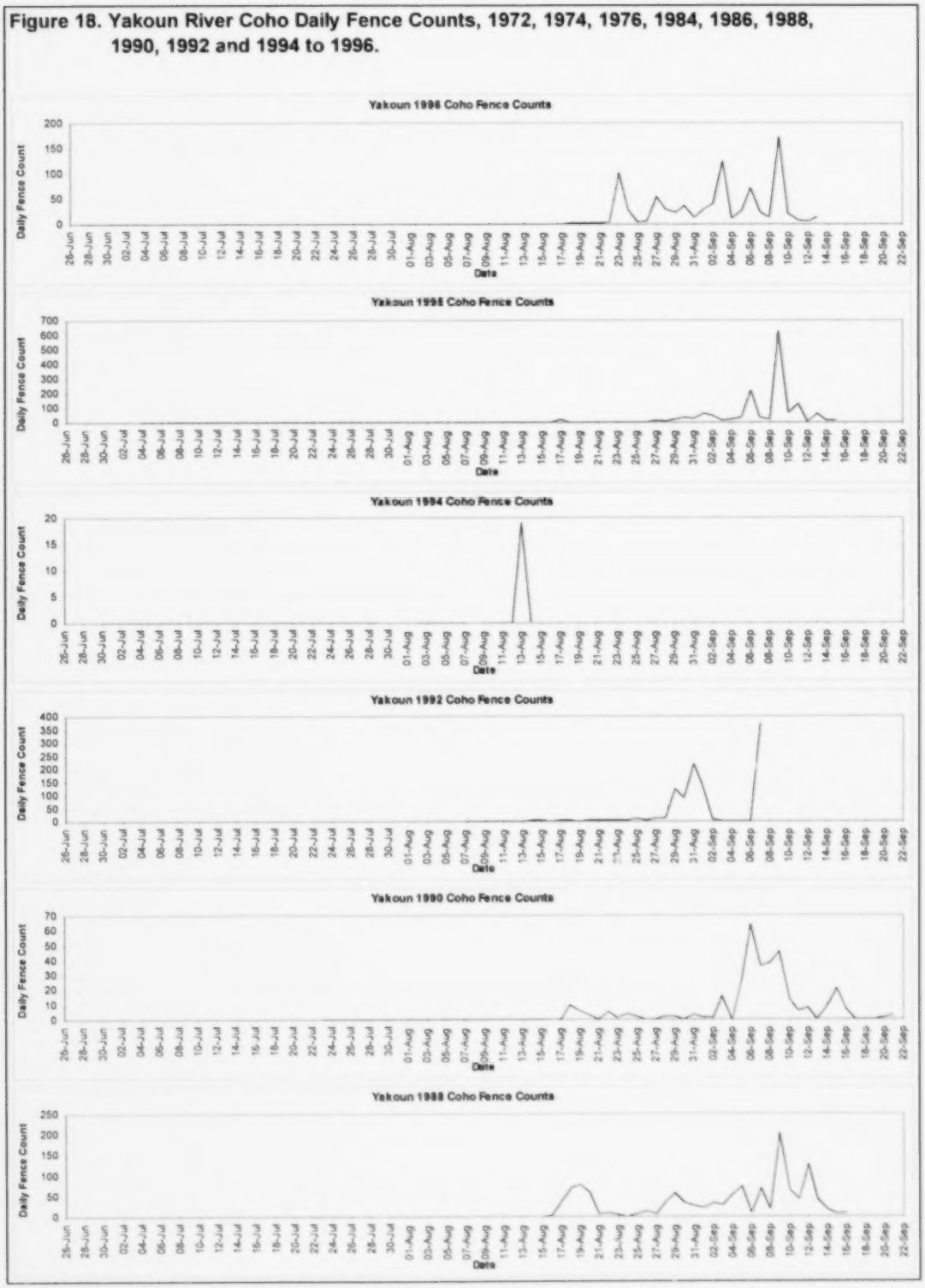

Yakoun 1996 Coho Fence Counts
Yakoun 1998 Coho Fence Counts
Yakoun 1994 Coho Fence Counts
Yakoun 1992 Coho Fence Counts
Yakoun 1990 Coho Fence Counts
Yakoun 1988 Coho Fence Counts
Daily Fence Count
Date

Figure 18 Cont. Yakoun River Coho Daily Fence Counts, 1972, 1974, 1976, 1984, 1986, 1988, 1990, 1992 and 1994 to 1996.

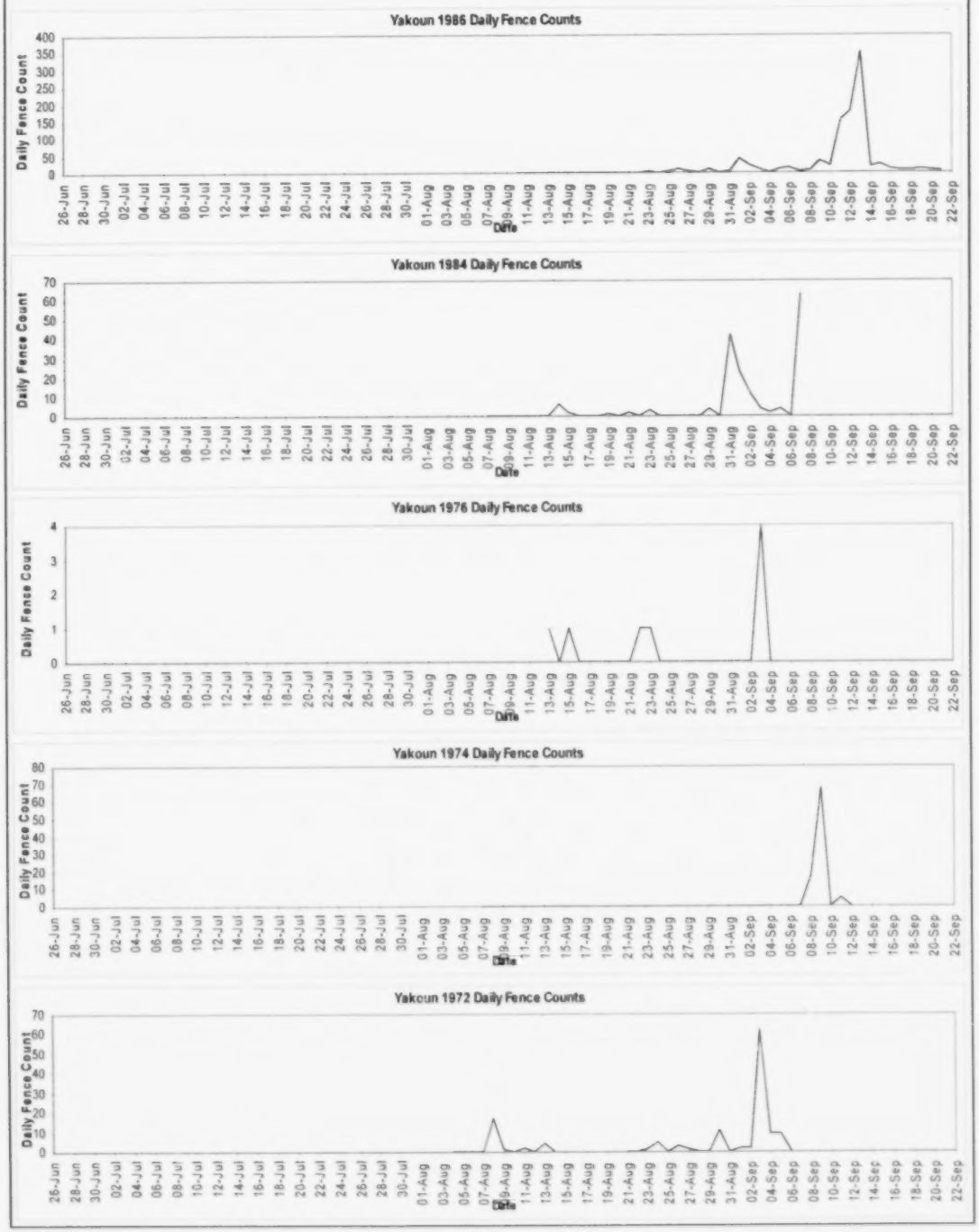


Figure 19. McClinton Creek Coho Daily Fence Counts, 1930, 1931, 1932, 1934, 1936, 1940 and 1942.

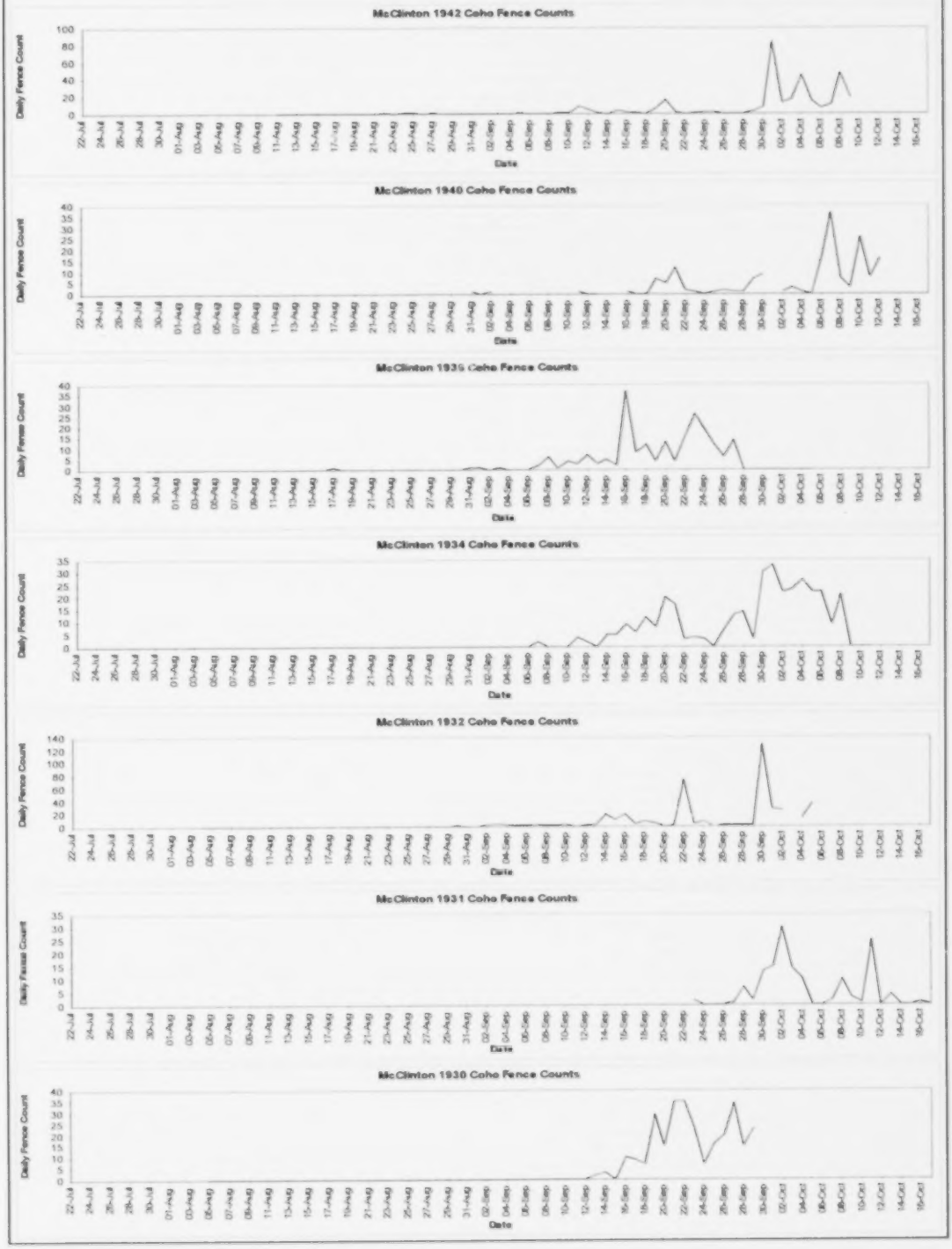

McClinton 1942 Coho Fence Counts
McClinton 1940 Coho Fence Counts
McClinton 1936 Coho Fence Counts
McClinton 1934 Coho Fence Counts
McClinton 1932 Coho Fence Counts
McClinton 1931 Coho Fence Counts
McClinton 1930 Coho Fence Counts
Daily Fence Count
Date

Figure 20. Chown Creek Coho Daily Fence Counts, 1992, 1994, 1996 to 1998 and 2000.

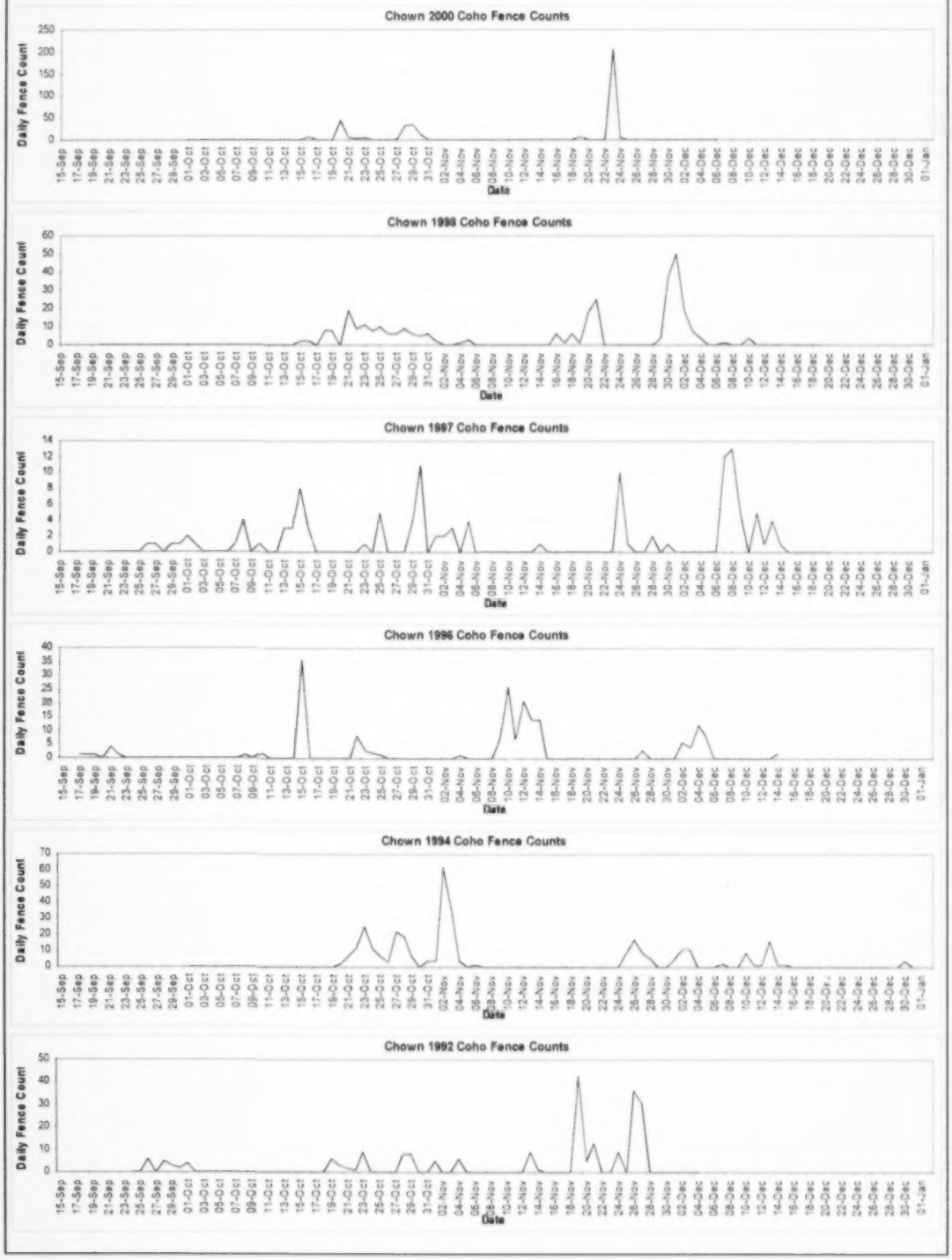

Chown 2000 Coho Fence Counts
Chown 1998 Coho Fence Counts
Chown 1997 Coho Fence Counts
Chown 1996 Coho Fence Counts
Chown 1994 Coho Fence Counts
Chown 1992 Coho Fence Counts
Daily Fence Count
Date

Figure 21. Tlell River Coho Daily Fence Counts, 1999 and 2000.

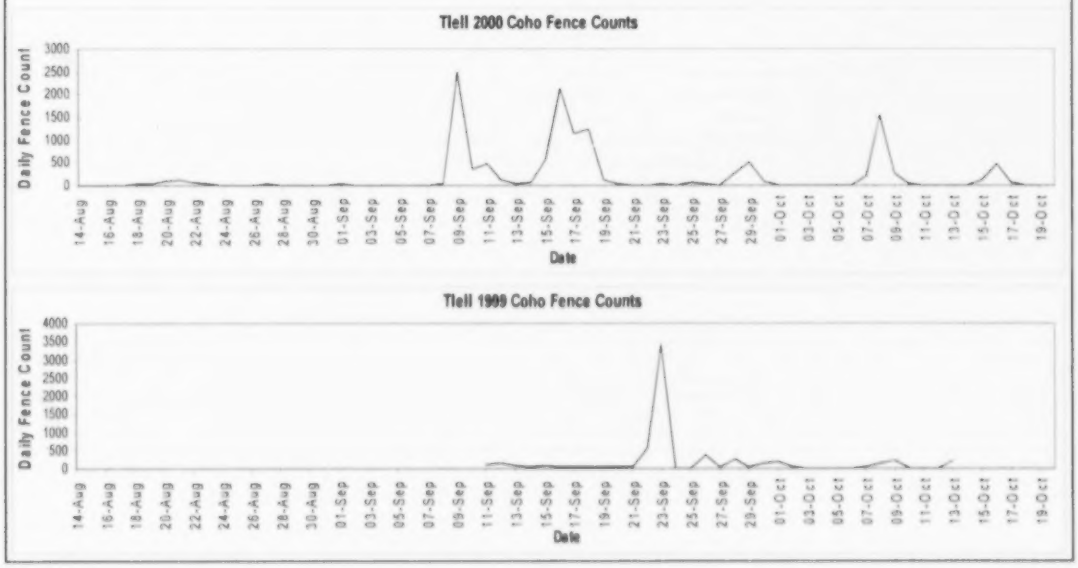


Figure 22. Mathers Creek Coho Daily Fence Counts, 1983, 1985 to 2000.

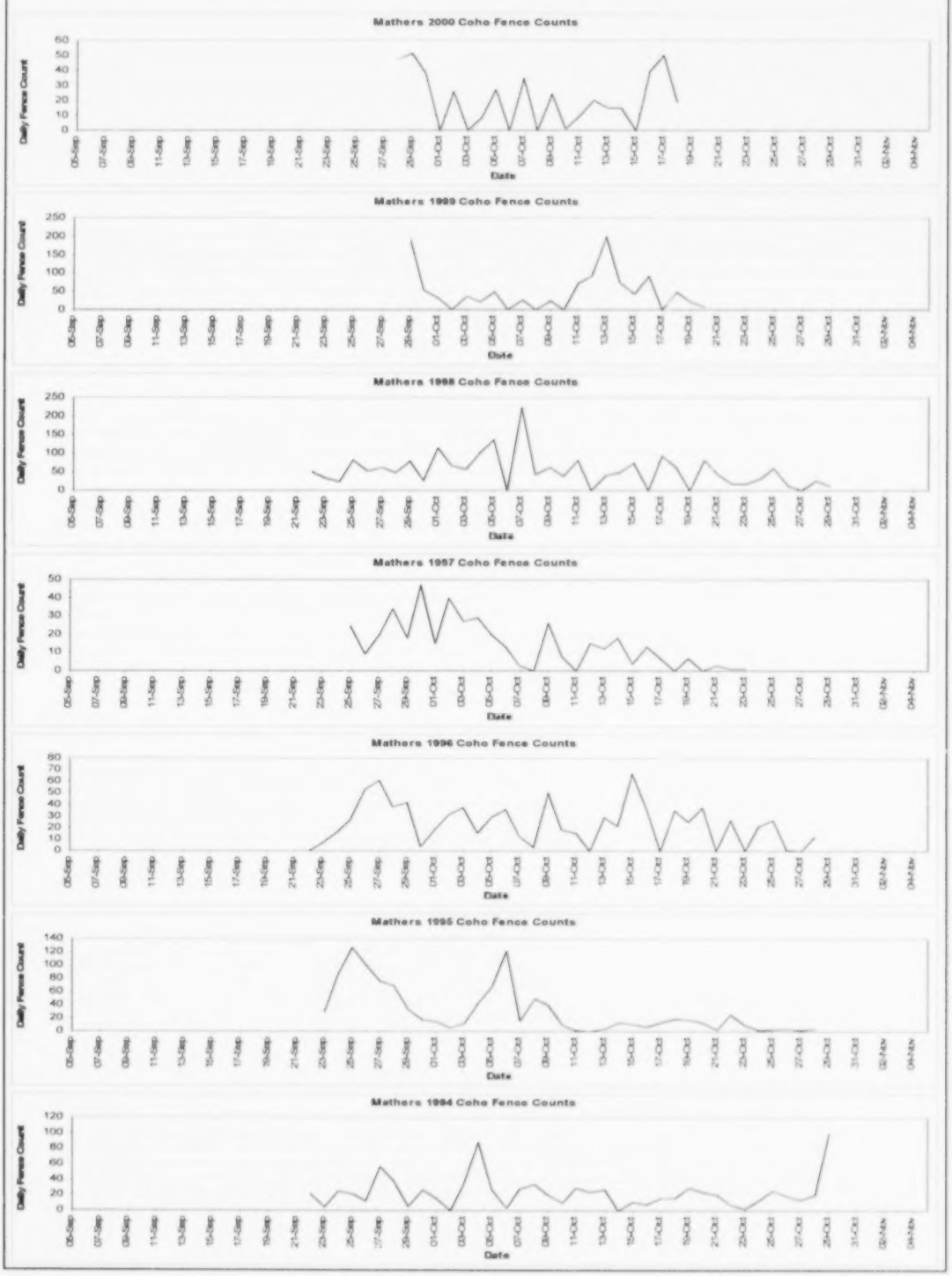

Mathers 2000 Coho Fence Counts
Mathers 1999 Coho Fence Counts
Mathers 1998 Coho Fence Counts
Mathers 1997 Coho Fence Counts
Mathers 1996 Coho Fence Counts
Mathers 1995 Coho Fence Counts
Mathers 1994 Coho Fence Counts
Daily Fence Count
Date

Figure 22. Cont. Mathers Creek Coho Daily Fence Counts, 1983, 1985 to 2000.

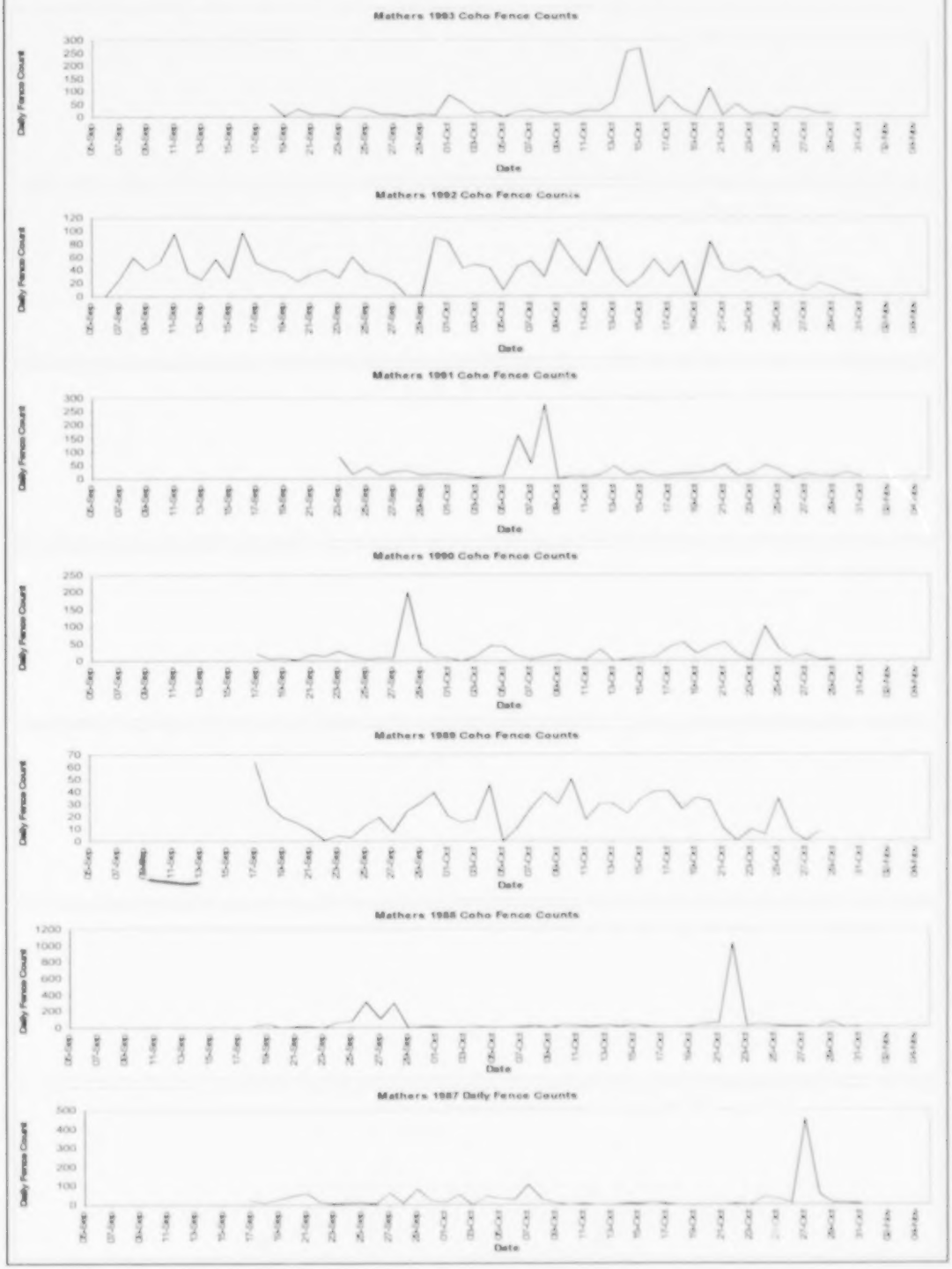


Figure 22. Cont. Mathers Creek Coho Daily Fence Counts, 1983, 1985 to 2000.

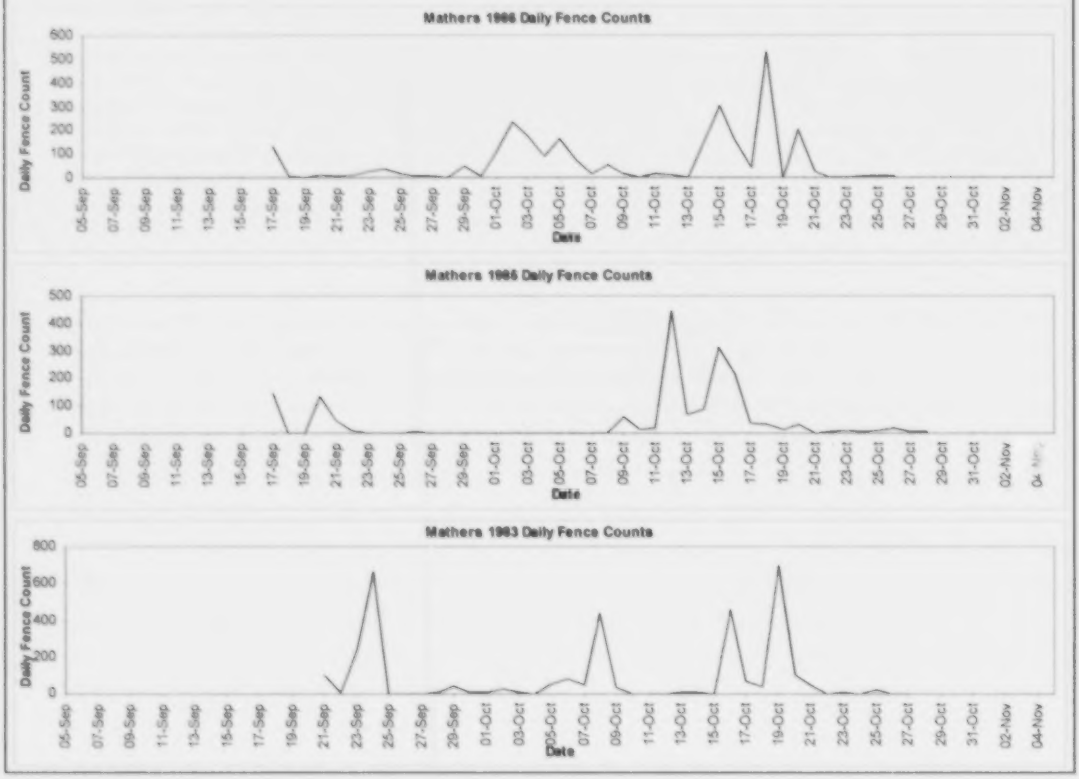


Figure 23. Pallant Creek Coho Daily Fence Counts, 1981 to 2000.

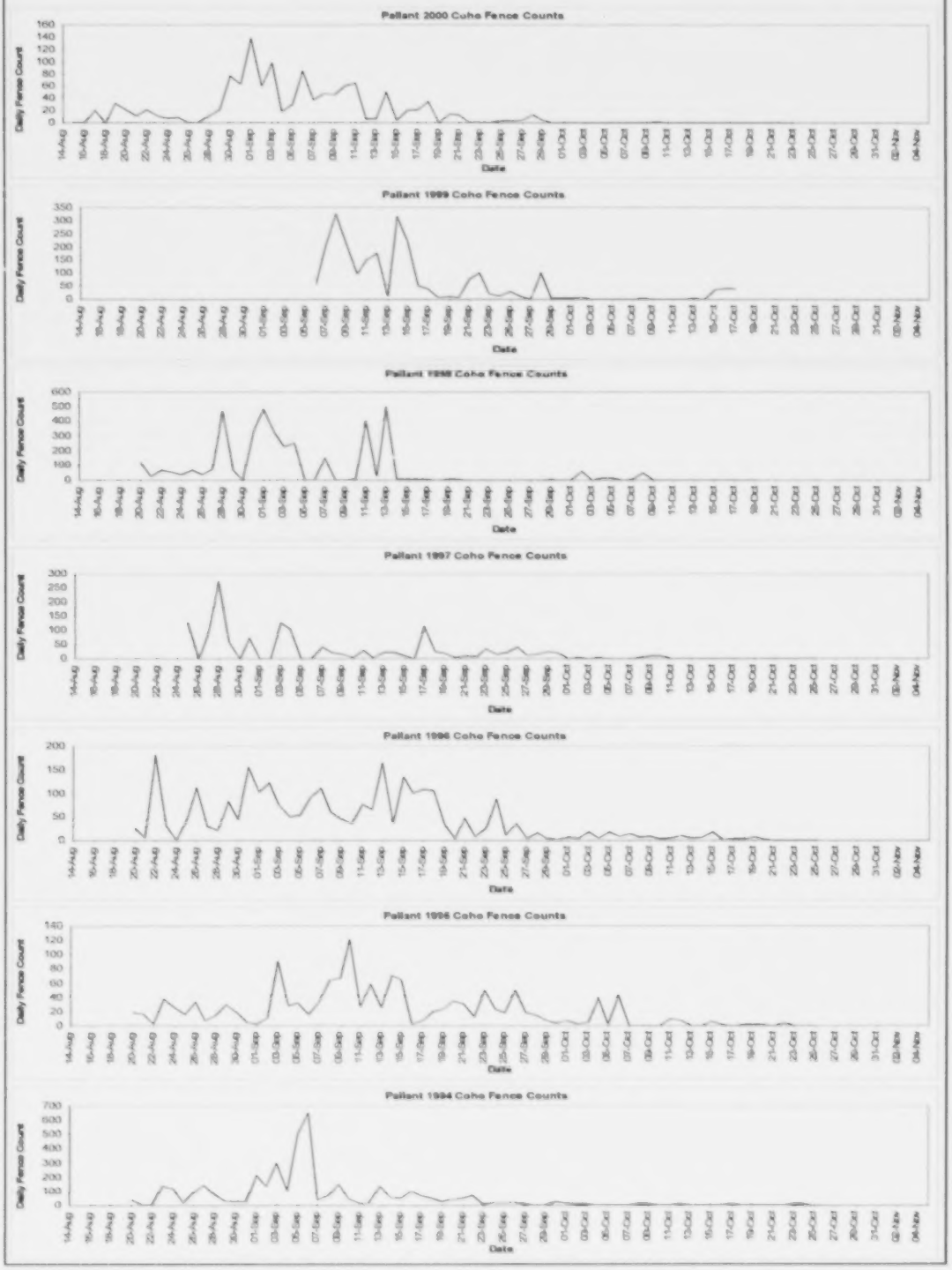

Pallant 2000 Coho Fence Counts
Pallant 1999 Coho Fence Counts
Pallant 1998 Coho Fence Counts
Pallant 1997 Coho Fence Counts
Pallant 1996 Coho Fence Counts
Pallant 1995 Coho Fence Counts
Pallant 1994 Coho Fence Counts
Daily Fence Count
Date

Figure 23. Cont. Pallant Creek Coho Daily Fence Counts, 1981 to 2000.

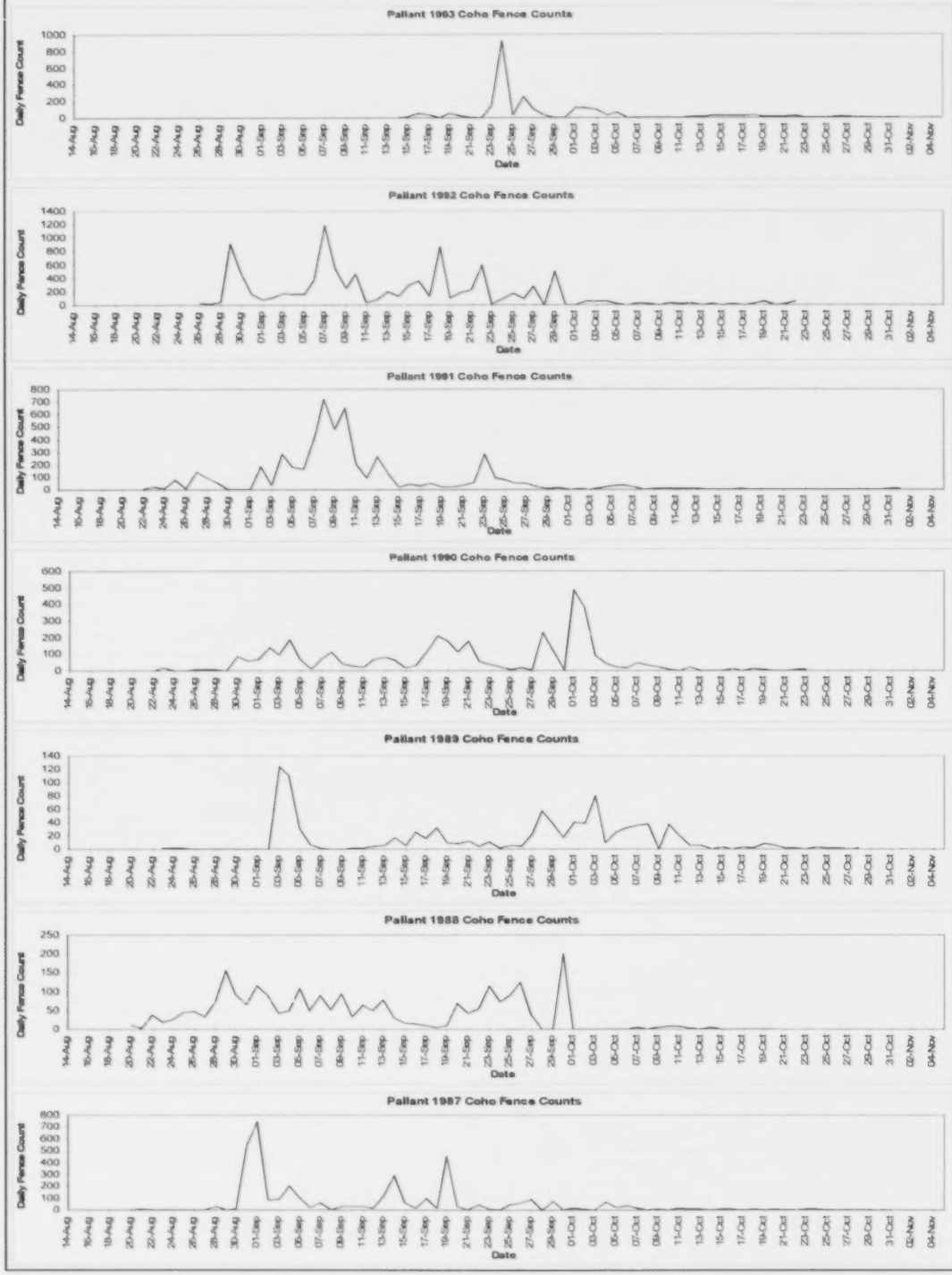

Pallant 1993 Coho Fence Counts
Pallant 1992 Coho Fence Counts
Pallant 1991 Coho Fence Counts
Pallant 1990 Coho Fence Counts
Pallant 1989 Coho Fence Counts
Pallant 1988 Coho Fence Counts
Pallant 1987 Coho Fence Counts
Daily Fence Count
Date

Figure 23. Cont. Pallant Creek Coho Daily Fence Counts, 1981 to 2000.

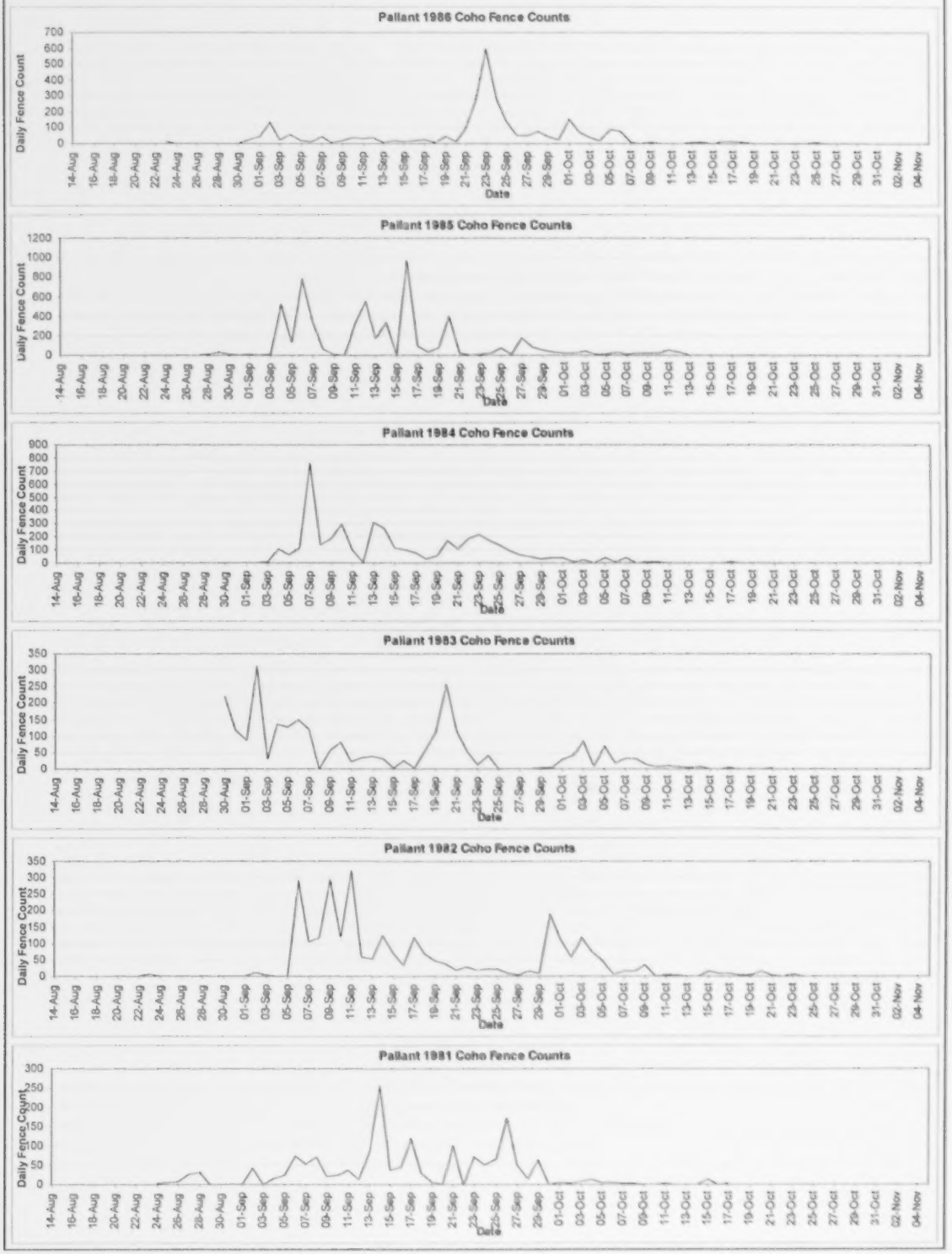


Figure 24. Yakoun River Daily Coho Smolt Trap Counts, 1969, 1981 and 1983.

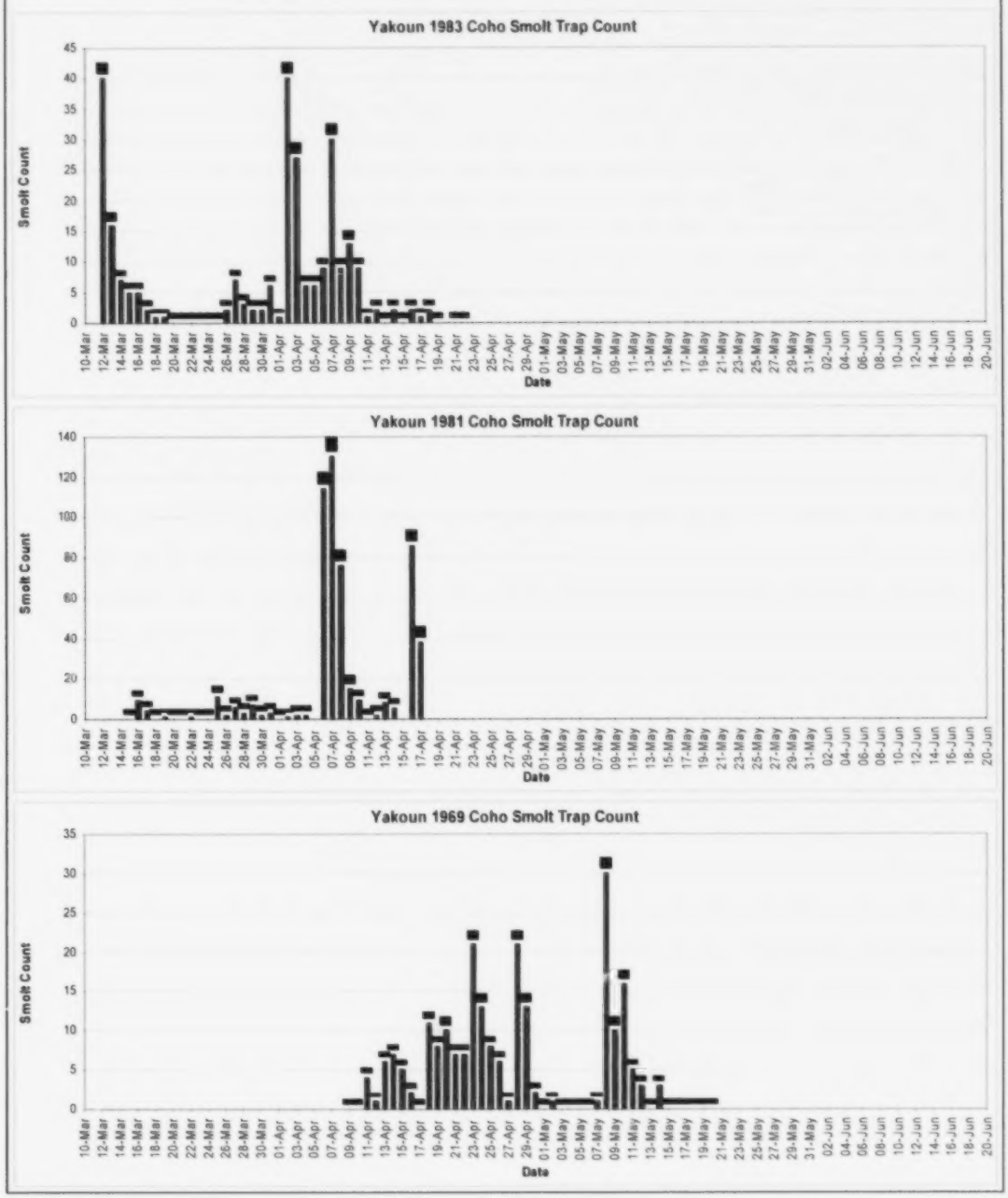


Figure 25. McClinton Creek Daily Coho Smolt Fence Counts, 1934 and 1939.

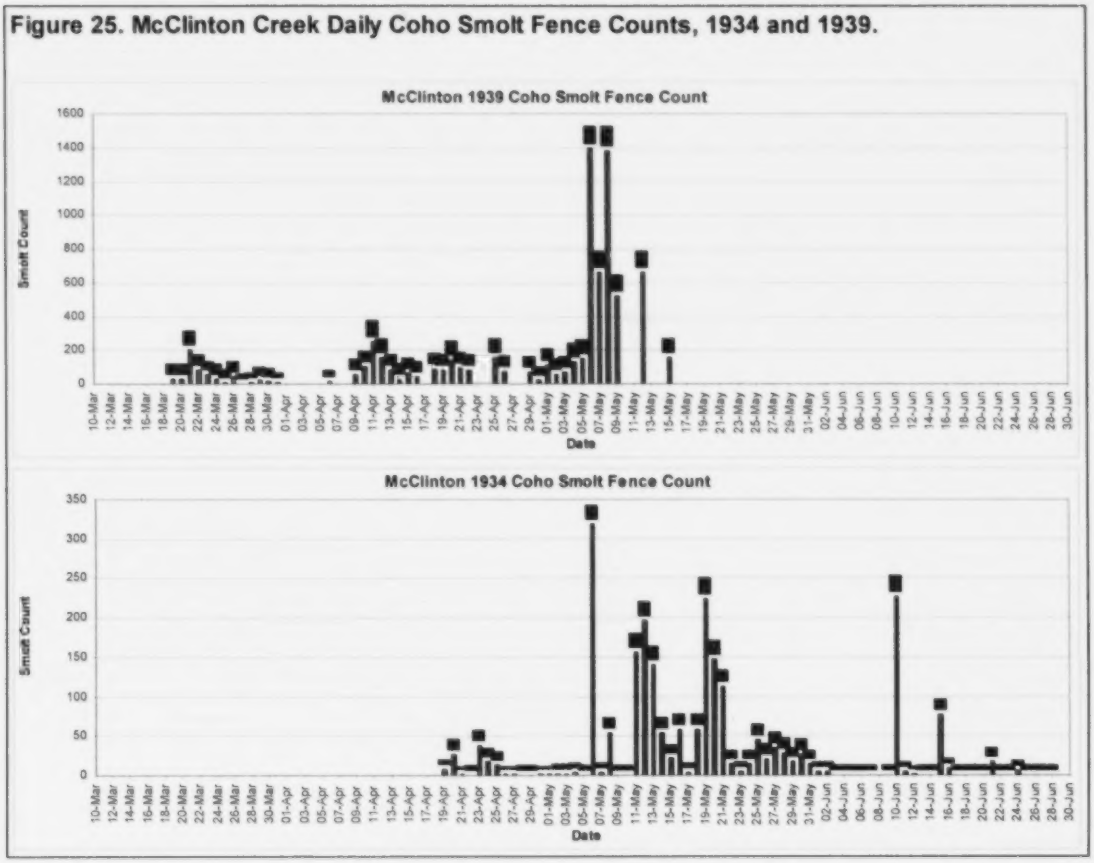


Figure 26. Chown Creek Daily Coho Smolt Fence Counts, 1996 to 1998 and 2000.

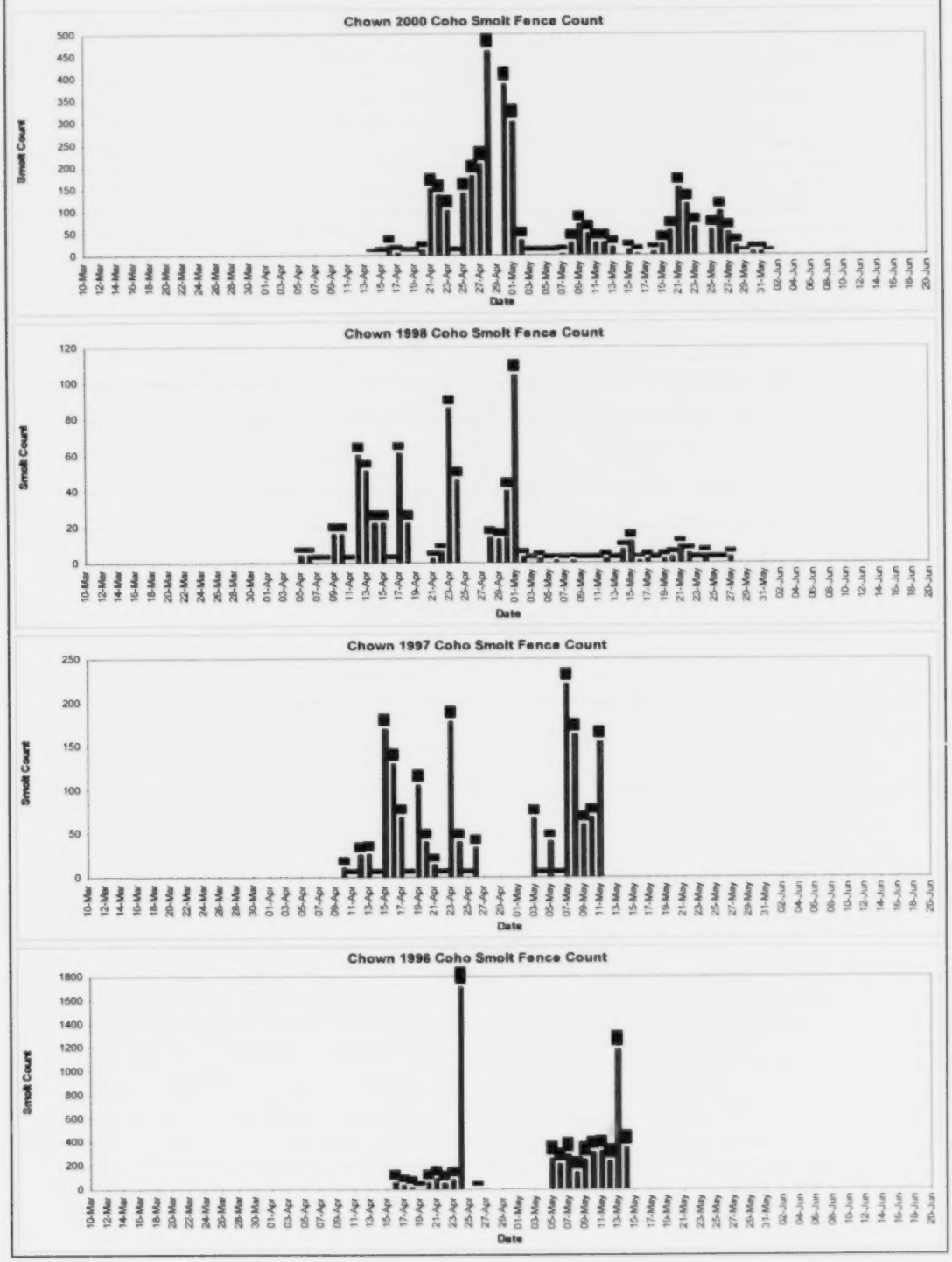


Figure 27. Deena River Daily Coho Smolt Fence Counts, 1994 and 1996 to 1998 and 2000.

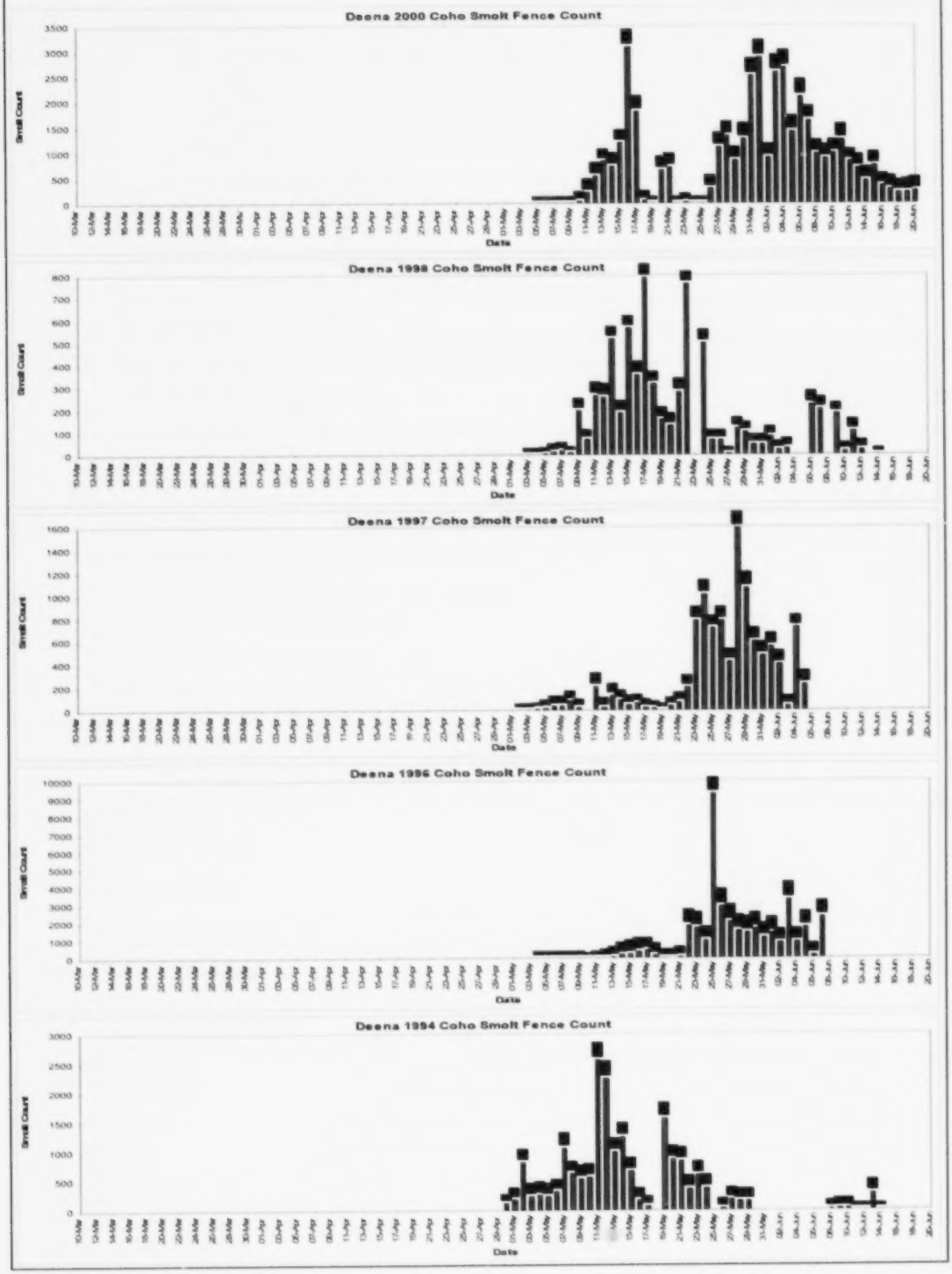
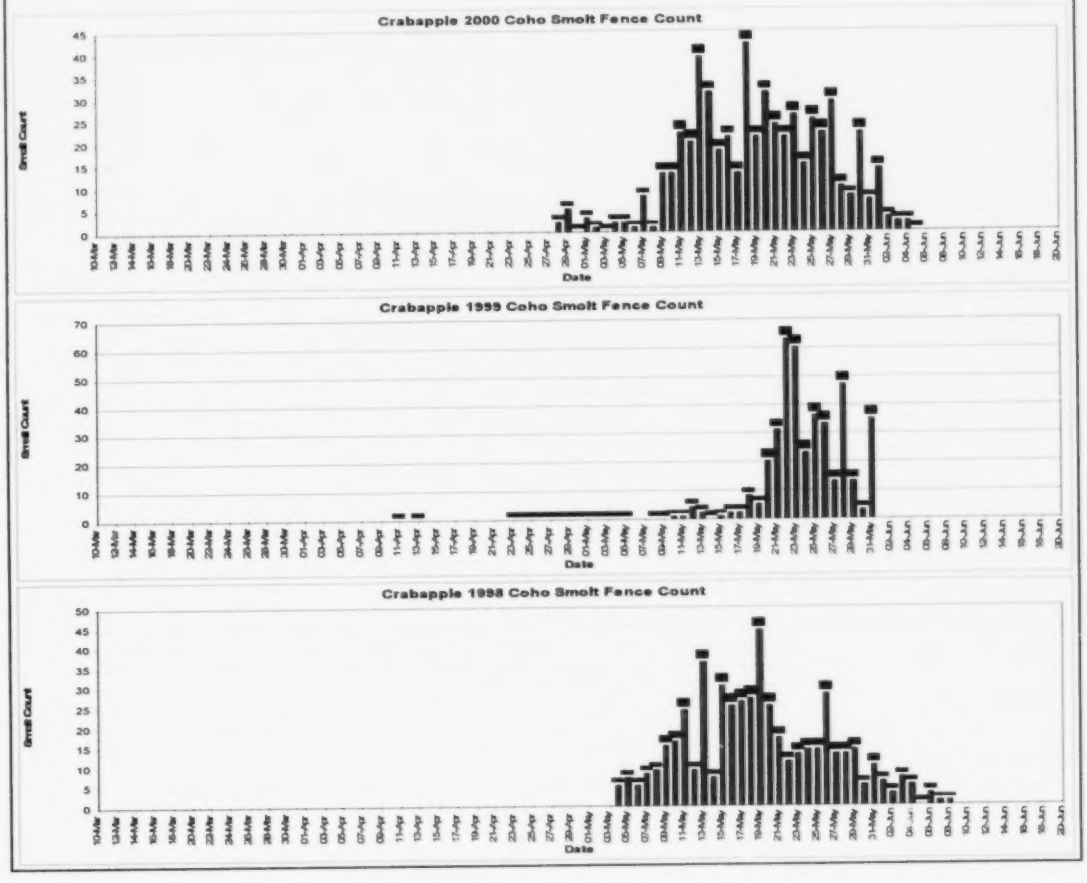

Deena 2000 Coho Smolt Fence Count
Deena 1998 Coho Smolt Fence Count
Deena 1997 Coho Smolt Fence Count
Deena 1996 Coho Smolt Fence Count
Deena 1994 Coho Smolt Fence Count
Smolt Count
Date

Figure 28. Crabapple Creek Daily Coho Smolt Fence Counts, 1998 to 2000.



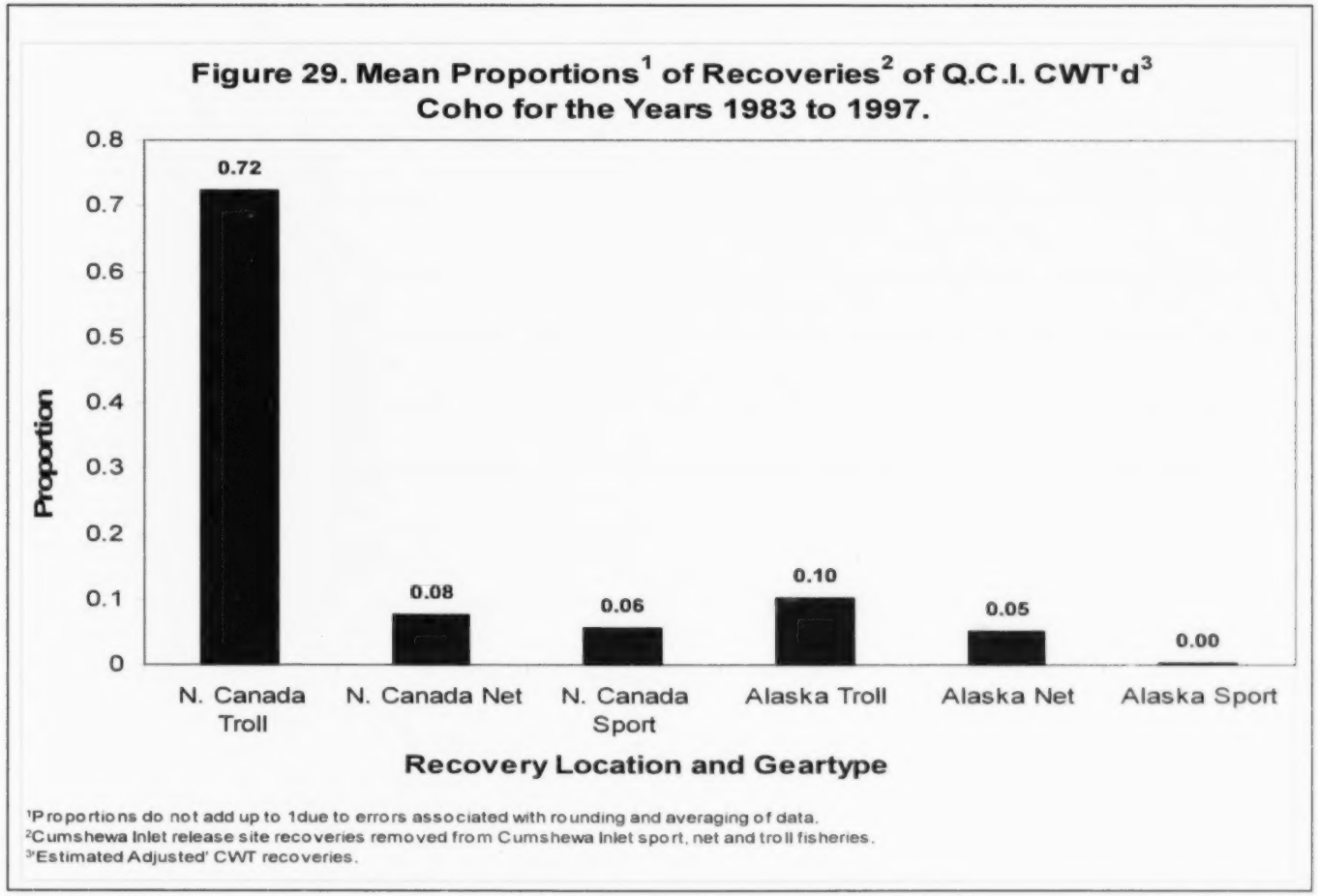


Figure 29. Mean Proportions[1] of Recoveries[2] of Q.C.I. CWT'd[3] Coho for the Years 1983 to 1997.
Proportion
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0.72
0.08
0.06
0.10
0.05
0.00
N. Canada Troll
N. Canada Net
N. Canada Sport
Alaska Troll
Alaska Net
Alaska Sport
Recovery Location and Geartype
[1]Proportions do not add up to 1due to errors associated with rounding and averaging of data.
[2]Cumshewa Inlet release site recoveries removed from Cumshewa Inlet sport, net and troll fisheries.
[3]'Estimated Adjusted' CWT recoveries.

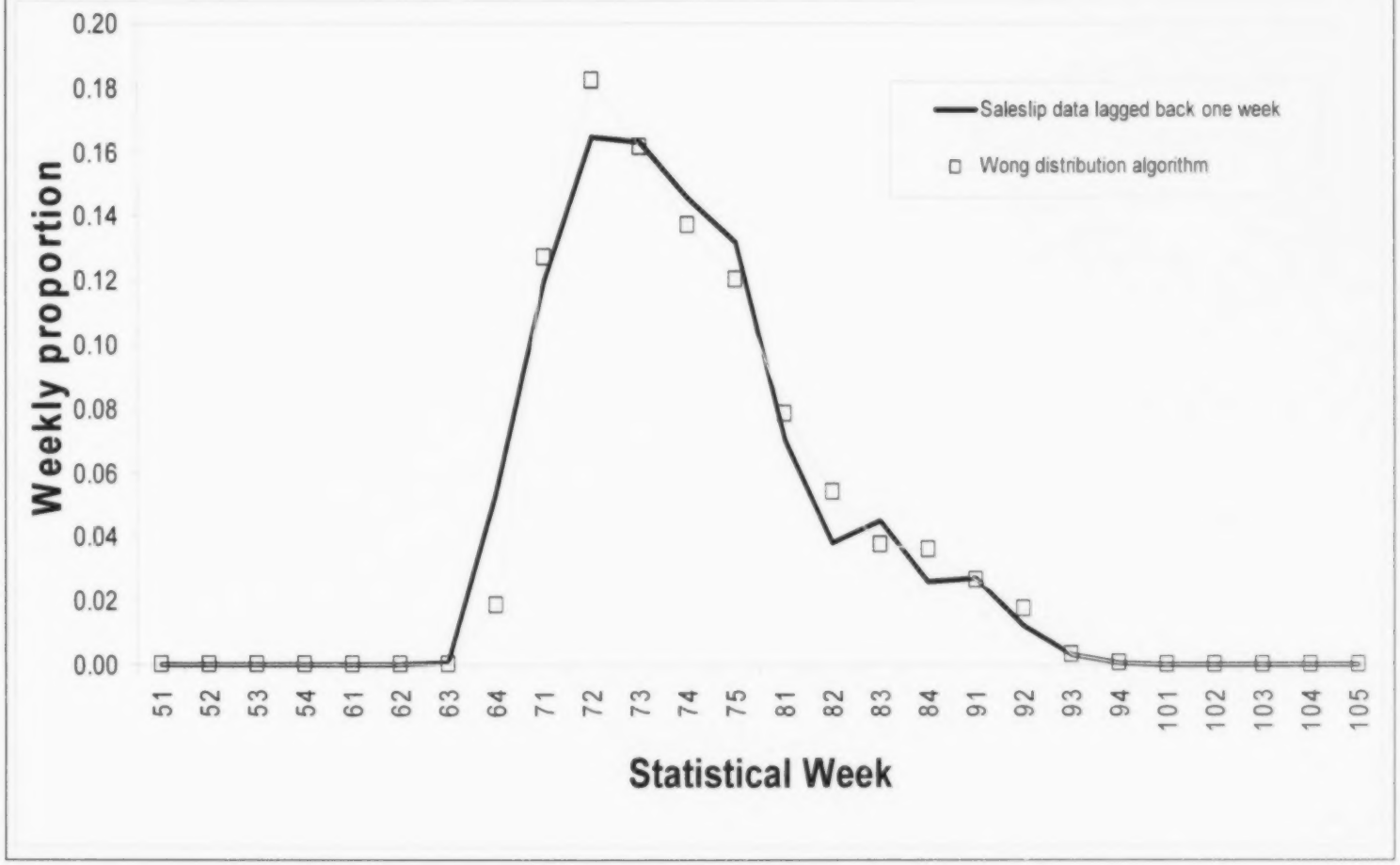



Figure 30. Comparison of Two Methods to Assign Area 1 Troll Coho Landings to Actual Date of Catch. (Average weekly proportions for the years 1988 - 1994)